# **Opportunities in Tourism Marketing**

Prof.B.S.Gite

Research Guide KKM College Manwat

# **ABSTRACT**

Culture & civilization in any country is intimately related to the history of trade, commerce and industry. Culture in all times follows the wake of commerce. This is more true of ancient times than of the modern. The caravans of the olden times were not only the carriers of wars but also of civilization. Because of this tourism has developed in India right from the ancient times. But, with the advent of computers development in the means of transportation and information technology (IT) tourism marketing has been facing a number of challenges yet they are not without opportunities.

The objective of this paper is to present an analytic study of opportunities in tourism marketing. This paper is limited to tourism industry, particularly in the function of marketing. Tourism industry in India has to face a number of challenges which are not without opportunities.

The researcher has selected the field survey method of research. The researcher has further selected the sample of 160 tourist operators in Nanded district working in various tourist segments (Religious, Nature, Adventure etc.). The sample has been selected on the basis of No. of Talukas in Nanded district. There are 16 talukas in Nanded district. The researcher has selected 10 Tourist Operators from each Talukas in Nanded district.

Keywords: Opportunities, Promotion, Public Relation, Customer Satisfaction.

# Introduction

depreted married of establishmen India is the cradle of human civilization. It has a variety and rich cultural heritage. India is a country spread over a vast continent from the Himalayas to the North and the Indian Ocean at the south, the Arabian Sea on the west, the Bay of Bengal in the East. India is very rich in natural resources like fertile lands, dense forests, rivers with perennial water flows, rich mineral reserves, her animal kingdom, a variety of plants and herbs, have made this land a center of human habitation right from the dawn of human civilization but not all its resources have been fully tapped. India is known as Bharatvarsh.

Culture & civilization in any country is intimately related to the history of trade, commerce and industry. Culture in all times follows the wake of commerce. This is more true of ancient times than of the modern. The caravans of the olden times were not only the carriers of wars but also of civilization.

Because of this tourism has developed in India right from the ancient times. But, with the advent of computers development in the means of transportation and information technology (IT) tourism marketing has been facing a number of challenges vet they are not without opportunities.

# Objective of the Paper

The objective of this paper is to present an analytic study of opportunities in tourism marketing. The resources use subsered the field-survey method-of-re-

# Limitations

surrous sources (Religious Satyre, Adrenture This paper is limited to tourism industry, particularly in the function of

# Hypothesis of the paper

Tourism industry in India has to face a number of challenges which are not without opportunities.

# Research Methodology

The researcher has selected the field survey method of research. The researcher has further selected the sample of 160 tourist operators in Nanded district working in various tourist segments (Religious, Nature, Adventure etc.). The sample has been selected on the basis of No. of Talukas in Nanded district. There are 16 talukas in Nanded district. The researcher has selected 10 Tourist Operators from each Talukas in Nanded district.

# Opportunities in Tourism Marketing

The researcher has studied various marketing opportunities with the help of primary data such as -

- 1. Opportunities in Promotion
- Opportunities in Public Relation
- Opportunities in Customer Satisfaction

These are analysed in this paper.

# Opportunities in Promotion

There are No. of opportunities in Promotional activities in Tourism Industry.

The researcher has studied the responses of sample tourist operators regarding opportunities in Promotion. The results are tabulated and shown in the following table.

Table No. 1

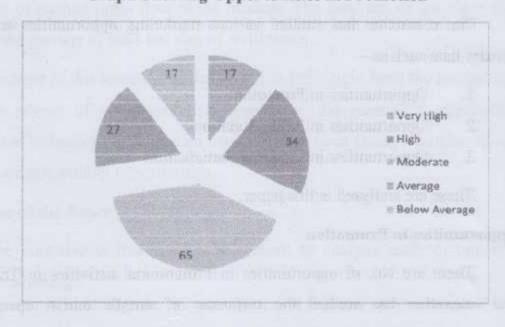
Opportunities in Promotion

Sr. No.	Opportunities	Responses	%
1	Very High	17	10.63
2	High ·	34	21.25
3	Moderate	65	40.63
4	Average	27	16.88
5	Below Average	17	10.63
	Total	- 160 -	100.00

Source: Primary Data.

Graph Showing Opportunities in Promotion

Graph No. 1



It can be seen from the above table that,

Out of the total 160 tourists operators in Nanded district, 17 (10.63%) have reported that the opportunities in promotion of tourism marketing are 'Very High', whereas, 34 (21.25%) have opined that the opportunities in promotion of tourism marketing are 'High', whereas that of 65 (40.63%) have expressed that the

opportunities in promotion of tourism marketing are 'Moderate', whereas 27 (16.88%) have opined that the opportunities in promotion of tourism marketing are 'Average' and 17 (10.63%) have stated that the opportunities in promotion tourism marketing are 'Below Average'.

# Opportunities in Public Relation

There are No. of opportunities in Public Relation in Tourism Industry. The researcher has studied the responses of sample tourist operators regarding opportunities in Public Relation. The results are tabulated and shown in the following table.

Table No. 2

Opportunities in Public Relation

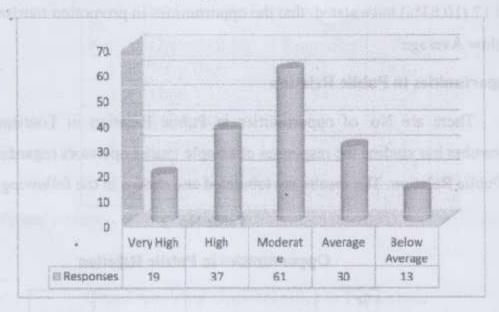
Sr. No.	Opportunities	Responses	9/6
1	Very High	19	11.88
2	High	37	23.13
3	Moderate	61	38.13
4	Average	30	18.75
5	Below Average	13	8.13
eting.	Total	160	100.00

Source: Primary Data.

ISSN NO: 2347-3150

Graph No. 2

Graph Showing Opportunities in Public Relation



It can be seen from the above table that,

Out of the total 160 tourists operators in Nanded district, 19 (11.88%) have reported that the opportunities in Public Relation of tourism marketing are 'Very High', whereas, 37 (23.13%) have opined that the opportunities in Public Relation of tourism marketing are 'High', whereas that of 61 (38.13%) have expressed that the opportunities in Public Relation of tourism marketing are 'Moderate', whereas 30 (18.75%) have opined that the opportunities in Public Relation of tourism marketing are 'Average' and 13 (8.13%) have stated that the opportunities in Public Relation tourism marketing are 'Below Average'.

# Opportunities in Customer Satisfaction

There are No. of opportunities in Customer Satisfaction activities in Tourism Industry. The researcher has studied the responses of sample tourist operators regarding opportunities in Customer Satisfaction. The results are tabulated and shown in the following table.

Table No. 3

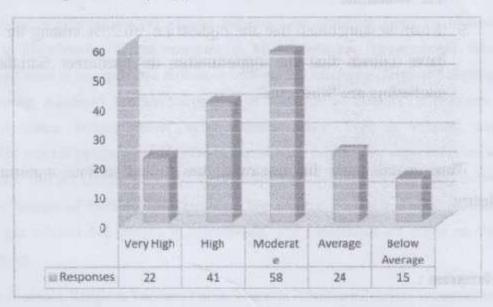
Opportunities in Customer Satisfaction

Sr. No.	Opportunities	Responses	0/6
1	Very High	22	13.75
2	High	41	25.63
3	Moderate	58	36.25
4	Average	24	15.00
5	Below Average	15	9.38
10 mil	Total	160	100.00

Source: Primary Data.

Graph Showing Opportunities in Customer Satisfaction

Graph No. 1



It can be seen from the above table that,

Out of the total 160 tourists operators in Nanded district, 22 (13.75%) have reported that the opportunities in Customer Satisfaction of tourism marketing are 'Very High', whereas, 41 (25.63%) have opined that the opportunities in Customer Satisfaction of tourism marketing are 'High', whereas that of 58 (36.25%) have

expressed that the opportunities in Customer Satisfaction of tourism marketing are 'Moderate', whereas 24 (15.00%) have opined that the opportunities in Customer Satisfaction of tourism marketing are 'Average' and 15 (9.38%) have stated that the opportunities in Customer Satisfaction tourism marketing are 'Below Average'.

## Conclusions:

潜水

- It can be concluded that the highest i.e. 40.63% among the tourist operators
  have opined that the opportunities in promotion of tourism marketing are
  'Moderate'.
- It can be concluded that the highest i.e. 38.13% among the tourist operators
  have opined that the opportunities in Public Relation of tourism marketing
  are 'Moderate'.
- It can be concluded that the highest i.e. 36.25% among the tourist operators
  have opined that the opportunities in Customer Satisfation of tourism
  marketing are 'Moderate'.

Thus, in this paper the researcher has studied various opportunities in tourism industry.

### References:

- Holloway Christopher (1983), The Business of Tourism, Allied Publishers, London.
- Hawkins, Shafer & Rovelstad (1980), Tourism Marketing and Management Issues, George Washington University, Washington DC.

3 Seth PranNath (1985), Successful Tourism Management, Sterling Publishers
Private Limited, New Delhi.

-

0

# **Infrastructural Problems of Tourism Services**

Prof.B.S.Gite

Research Guide KKM College Manwat

## ABSTRACT

Infrastructure is a broad term, it includes various aspects like premises, flooring of the premises, space and so on. Infrastructure has a direct relationship with office lay out. The sitting arrangements, customer lobbies, safe custodies and record rooms form the part of infrastructure. Infrastructure before and after globalization has changed a lot.

The paper aims to analyse various infrastructural problems faced by tourism industry operators in Marathwada. Tourist operators in Marathwada are facing various infrastructural problems and there is no significant difference between the satisfaction level of Religious Tourism, Nature Tourism, Adventure Tourism the problem of infrastructure facilities i.e. Problems regarding Premises & Space, Parking Space, Accommodation Space, Type of Vehicles, and Service Facilities. The paper is geographically limited to Marathwada Region. The paper is limited to Tourism Industry only. This is a descriptive study. It is an empirical survey. It is a field study concerned with the various aspects of tourism. The researcher has adopted a suitable model of research. The researcher has selected 340 tourists in Marathwada. The conclusions are drawn on the basis of primary survey.

Keywords : Tourism, Religious Tourism, Nature Tourism, Adventure Tourism, Infrastructure

### Introduction:

A socio-economic phenomenon, tourism has become one of world's largest and the fastest growing industries. Travel for holiday is a way of life with more and more people. It is a solution to frantic industrialization, sprawling cities and pillaged environments. Never before in the history of mankind have so many people travelled at home and abroad. Tourism industry in India has a sea

ISSN 0000

Cul

122111221

change after the adoption of New Economic Policy. Globalization, Privatization and Liberalization has brought many new trends in tourism industry.

Basically in India, there are many groups of tourists. Some tourists are religious tourists, some are nature tourists and some are adventure tourists. The tourists visiting to the religious places are religious tourists. Nature tourists are lover of nature and some are adventure tourists those who like the adventures.

Infrastructure is a broad term, it includes various aspects like premises, flooring of the premises, space and so on. Infrastructure has a direct relationship with office lay out. The sitting arrangements, customer lobbies, safe custodies and record rooms form the part of infrastructure. Infrastructure before and after globalization has changed a lot. For example,

- Before globalization tourism industries were having on a small scale. After globalization
  the scale has expanded.
- Before globalization there was no computerization whereas after globalization tourism industry has changed the mode and adopted the computerization system in its working.

  Due to this the working became fast and accurate.
  - 3. Before globalization much space of the infrastructure was occupied by physical aspects after globalization tourism is moving towards paperless working.

Such radical changes in globalization era have can be seen in tourism infrastructure. The researcher has in this paper studied the satisfaction level of various categories of tourists like Religious Tourism, Nature Tourism, Adventure Tourism with reference to infrastructure aspects, such as —

- 1. Problems Regarding Premises & Space
- 2. Problems Regarding Parking Space
- 3. Problems Regarding Accommodation Space
- 4. Problems Regarding Type of Vehicles
- 5. Problems Regarding Service Facilities

These aspects of infrastructure as analyzed in this section on the basis of primary survey.

## Objective of the Paper

The paper aims to analyse various infrastructural problems faced by tourism industry operators in Marathwada.

## Hypothesis

Tourist operators in Marathwada are facing various infrastructural problems and there is no significant difference between the satisfaction level of Religious Tourism, Nature Tourism, Adventure Tourism the problem of infrastructure facilities i.e. Problems regarding Premises & Space, Parking Space, Accommodation Space, Type of Vehicles, and Service Facilities.

### Limitations

- 1. The paper is geographically limited to Marathwada Region.
- 2. The paper is limited to Tourism Industry only.

## Research Methodology

This study is related with Impact of Globalization on tourism management with special reference to tourism industry working in the sector such as: Religious Tourism, Nature Tourism, Adventure in Marathwada. This is a descriptive study. It is an empirical survey. It is a field study concerned with the various aspects of tourism. Therefore the researcher has adopted a suitable model of research. The researcher has selected 340 tourists in Marathwada.

# 1. Problems Regarding Premises & Space

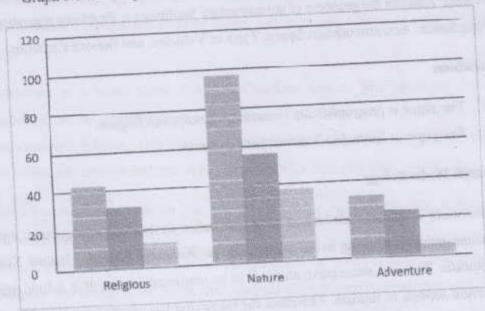
Premises is the foundation of infrastructure in tourism industry. Premises as a part of infrastructure has various aspects such as – location of the premises, size of premises, flooring system and so on. The type of premises effects the working efficiency of tourism industry. Therefore, the researcher has analyzed the responses regarding problem of premises & space given by sample touristsReligious Tourism, Nature Tourism, Adventure. The responses are tabulated in the following table.

Table No. 1 : Problems Regarding Premises & Space

Sr.	Response	Religiou	%	Natur	%	Adventur	9/0	Tota	9/0
No.	S	5	48.86	97	51.05	32	51.61	172	50.59
1	Severe	43	WHITE IS	5 Ries	29.47	24	38.71	112	32.94
2	Moderate	32	36.36	56	25.47	24	20.74	112	
3	Indifferen	13	14.77	37	19.47	6	9.68	56	16.47
	Total	88	100.0	190	100.00	62	100.00	340	100.00



Graph No. 1: Graph Showing Problems Regarding Premises & Space



An analysis of the data presented in above table shows that,

Out of the 88 sample Religious Tourists respondents 43 representing 48.86% have reported that the problems regarding premises and space are severe whereas 32 representing 36.36% have reported that the problems regarding premises and space are moderate. On the other hand 13 representing 14.77% have remained indifferent about the problems regarding premises and space

Out of the 88 sample Nature Tourists respondents 97 representing 51.05% have reported that the problems regarding premises and space are severe whereas 56 representing 29,47% have reported that the problems regarding premises and space are moderate. On the other hand 37 representing 19,47% have remained indifferent about the problems regarding premises and space.

Out of the 88 sample Adventure Tourists respondents 32 representing 51.61% have reported that the problems regarding premises and space are severe whereas 24 representing 38.71% have reported that the problems regarding premises and space are moderate. On the other hand 6 representing 9.68% have remained indifferent about the problems regarding premises and space.

# 2. Problems Regarding Parking Space

Parking space is an important problem for most of the tourists, particularly in the city locations and religious locations the problem of parking space is serious. The efficiency of tourists is

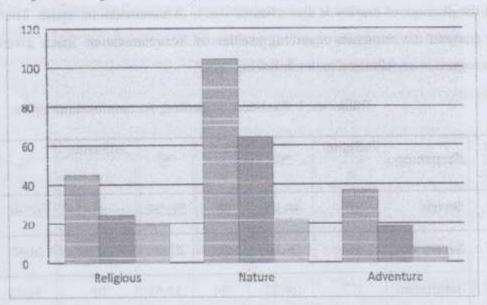
also effected due to parking space. Therefore, the researcher has analyzed the responses regarding problem of parking space given by sample tourists. The responses are tabulated in the following table.

Table No. 2: Problems Regarding Parking Space

Sr. No.	Responses	Religiou	%	Natur e	%	Adventur	%	Tota 1	%
1	Severe	45	51.14	104	54.74	37	59.68	186	54.71
2	Moderate	24	27.27	64	33.68	18	29.03	106	31.18
3	Indifferent	19	21.59	22	11.58	7	11.29	48	14.12
AHE	Total	88	100.00	190	100.00	62	100.00	340	100.00

Source: Primary Data.

Graph No.2: Graph Showing Problems Regarding Parking Space



An analysis of the data presented in above table shows that,

Out of the 88 sample Religious Tourists respondents 45 representing 51.14% have reported that the problems regarding parking space are severe whereas 24 representing 27.27% have reported that the problems regarding parking space are moderate. On the other hand 19 representing 21.59% have remained indifferent about the problems regarding parking space.

Out of the 88 sample Nature Tourists respondents 104 representing 54.74% have reported that the problems regarding parking space are severe whereas 64 representing 33.68% have reported that the problems regarding parking space are moderate. On the other hand 22 representing 11.58% have remained indifferent about the problems regarding parking space.

Out of the 88 sample Adventure Tourists respondents 37 representing 59.68% have reported that the problems regarding parking space are severe whereas 18 representing 29.03% have reported that the problems regarding parking space are moderate. On the other hand 7 representing 11.29% have remained indifferent about the problems regarding parking space.

# 3. Problems Regarding Accommodation Space

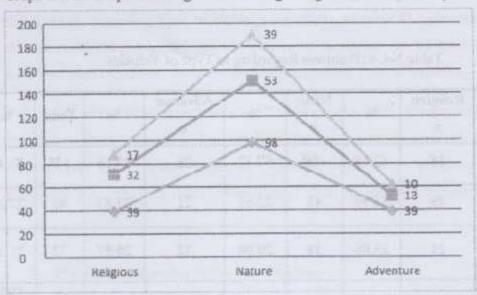
The problem of Accommodation Space cannot be ignored in tourism industry. In major cities, hill stations and religious placesgood accommodation space is not available. After globalization there is a tendency to manage the tourists within small space as the lodging. Hence the problem of accommodation space. Yet sufficient space is required for tourists accommodation. The efficiency and the pleasure of tourists is also effected due to Accommodation Space. Therefore, the researcher has analyzed the responses regarding problem of Accommodation Space given by sample tourists. The responses are tabulated in the following table.

Table No. 3 : Problems Regarding Accommodation Space

Sr. No.	Responses	Religiou s	%	Natur e	%	Adventur	96	Tota 1	%
1	Severe	39	44.32	98	51.58	39	62.90	176	51.76
2	Moderate	32	36.36	53	27.89	13	20.97	98	28.82
3	Indifferent	17	19.32	39	20.53	10	16.13	66	19.41
	Total	88	100.00	190	100.0	62	100.00	340	100.0

Source: Primary Data.

Graph No. 3: Graph Showing Problems Regarding Accommodation Space



An analysis of the data presented in above table shows that,

Out of the 88 sample Religious Tourists respondents 39 representing 44.32% have reported that the problems regarding Accommodation Space are severe whereas 32 representing 36.36% have reported that the problems regarding Accommodation Space are moderate. On the other hand 17 representing 19.32% have remained indifferent about the problems regarding Accommodation Space.

Out of the 88 sample Nature Tourists respondents 98 representing 51.58% have reported that the problems regarding Accommodation Space are severe whereas 53 representing 27.89% have reported that the problems regarding Accommodation Space are moderate. On the other hand 39 representing 20.53% have remained indifferent about the problems regarding Accommodation Space.

Out of the 88 sample Adventure Tourists respondents 39 representing 62.90% have reported that the problems regarding Accommodation Space are severe whereas 13 representing 20.97% have reported that the problems regarding Accommodation Space are moderate. On the other hand 10 representing 16.13% have remained indifferent about the problems regarding Accommodation Space.

## 4. Problems Regarding Type of Vehicles

There is problem of proper type of vehicles. Many times tourists need small vehicles on specific religious destinations such as Varanasi, Haridwar. Whereas, sometimes tourists need large and comfortable vehicles for travelling the long distance. The pleasure and enthusiasm tourists is also effected due by Type of Vehicles. Therefore, the researcher has analyzed the responses regarding

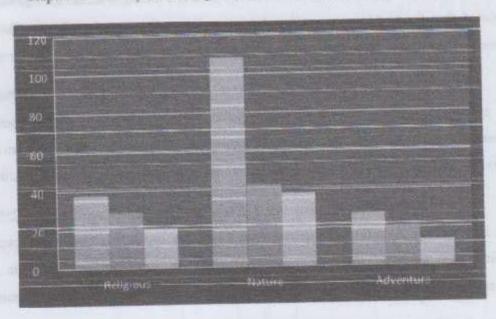
problem of Type of Vehicles given by sample tourists. The responses are tabulated in the following table.

Table No. 4 : Problems Regarding to Type of Vehicles

Sr.	Response	Religioù	%	Natur	%	Adventur	%	Total	%	
No.	8	s		e		e				
1	Severe	38	43.18	109	57.37	28	45.16	175	51.47	
2	Moderate	29	32.95	43	22.63	21	33.87	93	27.35	
3	Indifferen	21	23.86	38	20.00	13	20.97	72	21.18	
	Total	88	100.00	190	100.00	62	100.00	340	100.0	

Source: Primary Data.

Graph No. 4: Graph Showing Problems Regarding to Type of Vehicles



An analysis of the data presented in above table shows that,

Out of the 88 sample Religious Tourists respondents 38 representing 43.18% have reported that the problems regarding Type of Vehicles are severe whereas 29 representing 32.95% have reported that the problems regarding Type of Vehicles are moderate. On the other hand 21 representing 23.86% have remained indifferent about the problems regarding Type of Vehicles.

Out of the 88 sample Nature Tourists respondents 109 representing 57,37% have reported that the problems regarding Type of Vehicles are severe whereas 43 representing 22.63% have reported that the problems regarding Type of Vehicles are moderate. On the other hand 38 representing 20% have remained indifferent about the problems regarding Type of Vehicles.

Out of the 88 sample Adventure Tourists respondents 28 representing 45.16% have reported that the problems regarding Type of Vehicles are severe whereas 21 representing 33.87% have reported that the problems regarding Type of Vehicles are moderate. On the other hand 13 representing 20.97% have remained indifferent about the problems regarding Type of Vehicles.

# 5. Problems Regarding to Service Facilities

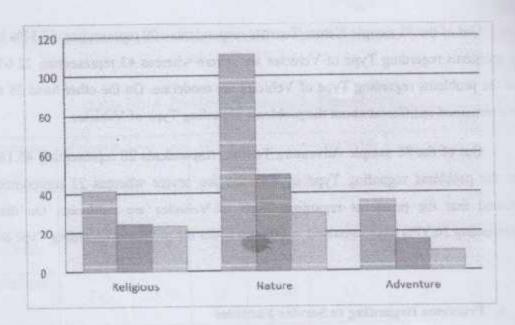
Service is the main criteria of tourism industry. Generally, tourists are facing problems related with service facilities such as: breakfast, tea, meals, sufficient time for site seen etc. Therefore, the researcher has analyzed the responses regarding problem of Service Facilities given by sample tourists. The responses are tabulated in the following table.

Table No. 5: Problems Regarding to Service Facilities

St. No.	Responses	Religiou 8	%	Natur	%	Adventur	%	Total	%
1	Severe	41	46.59	111	58.42	36	58.06	188	55.29
2	Moderate	24	27.27	49	25.79	16	25.81	- 89	26.18
3	Indifferent	23	26.14	30	15.79	10	16.13	63	18,53
upqui	Total	88	100.00	190	100.0	62	100.00	340	100.0

Source: Primary Data.

Graph No. 5: Graph Showing Problems Regarding to Service Facilities



An analysis of the data presented in above table shows that,

Out of the 88 sample Religious Tourists respondents 41 representing 46.59% have reported that the problems regarding Service Facilities are severe whereas 24 representing 27.27% become reported that the problems regarding Service Facilities are moderate. On the other hand 25 representing 26.14% have remained indifferent about the problems regarding Service Facilities.

Out of the 88 sample Nature Tourists respondents 111 representing 58.42% have reported that the problems regarding Service Facilities are severe whereas 49 representing 25.79% have reported that the problems regarding Service Facilities are moderate. On the other hand 30 representing 15.79% have remained indifferent about the problems regarding Service Facilities.

Out of the 88 sample Adventure Tourists respondents 36 representing 58.06% have reported that the problems regarding Service Facilities are severe whereas 16 representing 25.81% have reported that the problems regarding Service Facilities are moderate. On the other hand 10 representing 16.13% have remained indifferent about the problems regarding Service Facilities.

#### Conclusions:

It is concluded that, out of the total sample of 340 tourists respondents of including Religious
Tourists, Nature Tourists&Adventure Tourists186 representing 54.71% have reported that the
problems regarding parking space are severe whereas 106 representing 31.18% have reported

that the problems regarding parking space are moderate. On the other hand 48 representing 14.12% have remained indifferent about the problems regarding parking space.

- 2. It is concluded that, out of the total sample of 340 tourists respondents of including Religious Tourists, Nature Tourists&Adventure Tourists172 representing 50.59% have reported that the problems regarding premises and space are severe whereas 112 representing 32.94% have reported that the problems regarding premises and space are moderate. On the other hand 56 representing 16.47% have remained indifferent about the problems regarding premises and space.
- 3. It is concluded that, out of the total sample of 340 tourists respondents of including Religious Tourists, Nature Tourists&Adventure Tourists176 representing 51.76% have reported that the problems regarding Accommodation Space are severe whereas 98 representing 28.82% have reported that the problems regarding Accommodation Space are moderate. On the other hand 66 representing 19.41% have remained indifferent about the problems regarding Accommodation Space.
- 4. It is concluded that, out of the total sample of 340 tourists respondents of including Religious Tourists, Nature Tourists&Adventure Tourists175 representing 51.47% have reported that the problems regarding Type of Vehicles are severe whereas 93 representing 27.35% have reported that the problems regarding Type of Vehicles are moderate. On the other hand 72 representing 21.18% have remained indifferent about the problems regarding Type of Vehicles.
- 5. It is concluded that, out of the total sample of 340 tourists respondents of including Religious Tourists, Nature Tourists&Adventure Tourists188 representing 55.29% have reported that the problems regarding Service Facilities are severe whereas 89 representing 26.18% have reported that the problems regarding Service Facilities are moderate. On the other hand 63 representing 18.53% have remained indifferent about the problems regarding Service Facilities.
- 6. It is concluded that, there is no significant difference between the satisfaction level of Religious Tourists, Nature Tourists and Adventure Touristsregarding the problem of infrastructure facilities i.e. Problems regarding Premises & Space, Parking Space, Accommodation Space, Type of Vehicles, and Service Facilities.

### References:

- 1. PadamSudarshan (1990), Bus Transport in India, Ajanta Publications (India), Delhi.
- Baron Raphael Raymond V. (1975), Seasonality in Tourism: A Guide to Seasonality and Trends for Policy Making, The Economics Intelligence Unit.
- 3. K. Rangareddy (2005), Tourism in India, Deep & Deep Publishers, Jaipur.

\*\*\*\*\*

STATE PROPERTY.

# क्षा भिष्मय शिवानीसव पाटील जिल्लेक्स

महाराष्ट्र शिक्षण समिती निलंगा जि.लातुर SITE ARE

उद्धाटक

# मा. श्रीपाल सबनीस

अखिल मारतीय मराठी साहित्य संमेलन ज्येष्ट विचारवंत तथा माजी अध्यक्ष.

मा.डॉ. उमेश बगाडे बाजभावक

ज्ञ. नामासिय आंबेडकर पराठबाडा विद्यापीठ, औरंगाबाद इतिहास विभाग

# मजाध्यक्ष /साधनव्यक्ती

न्त्रं, गीतन्त्रती मेखदे, इतिहास विष्णप्, at we min fronte, Huna उम्मानिया विद्यापीठ, देवागाँ जारदा फर्तावाज्ञास, पत्मणी, कावन महाविधानय, मांदेड ते, मन्तिम हेरे, महत्वा बस्तेम्बर की विख्तान बोड्ड ही मित्राम बाजरहे डॉ. नममत्रभटकं क्रिंगि साहक हा अन्यन जिल्लाहे स्वात अन्यालाई त. प्रांग कोषडे, सप्तानक utilitations and and and महामित्रास्त्र ग्लाधेड यस्त्रामध्यक्षायाः द्वामाद SHAPPETER SUPE naria spengenter

धारम्बन्धी कुलकर्णा डॉ. एस.एस. क्येसी डॉ. बे.एस.बाजपारे खाजीयी.संडर

समारोग समारंभ प्रमुख पाहुणे

# डॉ.सोमनाथ रोडे

मंगोजन माचव ्यन्त्र विचारवंत य इतिहास अध्यासक, लातुर क्ट्र समन्वयक

डा एम.एन.कोलपुके महाराष्ट्र महाविधालम् निर्मंग प्रान्धयं,

डॉ. एस.जी.बेंजलवार श्रीवृद्धस विभाग्यमुख, महाराष्ट्र महाविद्यालय निर्णाण

andmin themsays whereast firmusays at about movement at you be decreased with the state Bee'de weether not not not have solved HUMBE

Elitably Milhell तर, एक एक ब्रह्मतार्थ

日本 明 四日

प्रीयक्समिक्यम

डॉ. सोमनाथ ऐडे (म्पेष्ठ हिहास अम्बासक तथा कार्यकारी संपादक, इतिप्रस संस्थेपन प्रथिका) डी. सदातित देवे (अध्यक्ष, क्ष्रीतम अभ्यास पंडल, स्वा. ग्र.ती. ग्र.ति.)

है, स्वेश्ट्रेश सीई (अध्यय, इतिहास अध्यास संदर्भ, दी, भा, आंग्रामि, मेरिनाम्पा) डीसकम माममारे (जानान, शिनकामुठी महाविधातम, मळेगान)

डी. शास्य मंडे (त्या, मुनेधनजी पकार महाविधातम, पुग्त)

डी. नाग्ररण सुर्वस्ती (विवनेग्रे म्हाविधान्य, शिन्त अनीवपान) दी, विशास सुनेबर (देगल्रा मोलेब, केंगल्)

डी, शिवराज बोठडे (परापंट महानिवारम, नांदेश)

डॉ. झाकेर पठाण (कता,गाणिक्य व विक्रम चहानियासम्, बदनाप्) हा, अमिशिया रिगाडे (रेजनमूरो पहारियासप, मकेमाण)

की मानवर परेश कि से के का मानियान्य, मानोजवी)

हो, विजया साखो (सिवाबी कोलंब, क्षार दिशदेड)

हो, चेतनक्षमार व्यास (के.के.एच, पहाविप्रात्तम, मानक्स) डी, प्रनपुत्र बंडे (हावर्गास्त्रामी महाविधास्त्रम, उस्पीए)

प्रा. दिलीर गीन्हे (पंकत नहाविष्ठत्य, चेपडा नि. बनगार)

प्रा. बालानी बोडके (सुरातम सोडेके महानियालम, मानागान)

महाराष्ट्र शिक्षाण समिती, निलंगा संघतित

# महाराष्ट्र महाविद्यालय, निलंगा जि

मेंक पुन्मूत्यांकन मन्दर्भा (CGPA-2.62)

इतिहास विमाग व मारतीय स्पातंत्र्याया अभूत महोत्सव समिती

आयोगित

भारतीय सामाजिक विज्ञान संगोधन परिषद TCSSR, New Delhi) प्रायोजित

शनिवार दिनांक: ०१ ऑक्टोबर २०२२

एकदिवशीय राष्ट्रीय चर्चासत्र

"Maharashtra's Contribution to the Indian Freedom Struggle" "भारतीय स्वातंत्र्यलढ्यात महाराष्ट्राचे योगदान



ते तिलीर वोन्यांच्यो वे शानेत्यर व्यक्तित

ग्र, श्रीविधान काक म. जेतम प्रदील

स्रीत्याम्, मुक्तमस्य स्रीत्री, मी जिल्लाहे प्राप्तिसादी महिल्ला

何里 新 日 など 日

A mare which में मनीका स्थांडे

ज्ञ. अर्थिकान्यु गोगान्त्री प्रा.स देश जरधन

म मिरोप पार्येल

म, मोनम पाटील

其 典明 計 हैं, एस पड़ी, मिनधकत में गुणेश वामध्ये

ो निर्देश्वर कुंच्यर ो निरमानी पाटीस

transferusskere Monte vent Jahlen des Jahlen des

क्ष, प्रमुख एमएस. ज्ञ. श्रीय यूर्यक्षी डा.मांचन बाहुर ज्ञ. फनदान मिदानकर इह. फनदान मिदानकर ज्ञ. फनदान मिदानकर

ते में आर गुप्पाता

द्राप्त आर कक्क में, एक की मोताने स. ए.स. पालाडे

क्षे अंगर प्राथम श्रे प्रमुख ध्वील हो संतीषु धेरसालने

. अंकृर धाटील । सुहास माने । एसाजप माने

धा. सुरमीची ग्रहणुरे धा. शारद मनीचा धा. शोनारे मनीचा ब्री. जिनस कुरशक्षणी

वी.सी.मे.कदम

डॉ. एम. एन. कोलपुके --: XPRS :--

महाराष्ट्र महाविद्यालय, निरुरंगा ment.

250

100

pact Factor-8.575 (SJIF)

ISSN-2278-9308

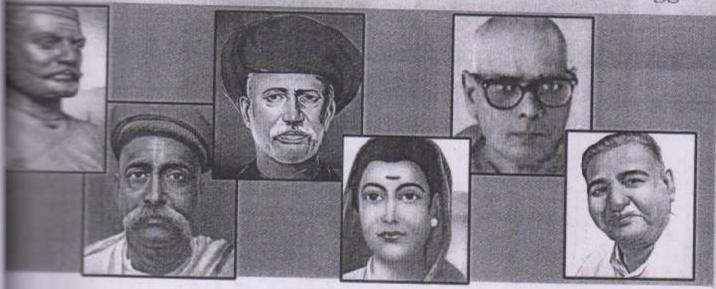
# B. Audhar

Peer-Reviewed & Refreed Indexed

Multidisciplinary International Research Journal

October-2022 (CCCLXXII) 372-A

Taharashtra's Contribution to the Indian Freedom Struggle



Chief Editor will Virag S. Gawande Director **Nadhar Social** & Development Institute Amravati

Executive Editor Dr. M.N. Kolpuke Principal Maharashtra Mahavidyalaya, Nilanga Dist. Latur

Editor Dr. Subhash G. Benjalwar Head, Department of History, Maharashtra Mahavidyalaya, Nilanga Dist. Latur



This Journal is indexed in :

- Scientific Journal Impact Factor (SJIF)
- Cosmos Impact Factor (CIF)
- International Impact Factor Services (IIFS)

www.undhorsocial.com

Aadhar Publications



Impact Factor -(SJIF) -8.575,

Issue NO, (CCCLXXII) 372 - A

ISSN: 2278-9308 October, 2022

Impact Factor - 8.575

ISSN - 2278-9308

# **B.**Aadhar

Peer-Reviewed & Refereed Indexed

Multidisciplinary International Research Journal

October -2022

ISSUE No - (CCCLXXII) 372-A

# Maharashtra's Contribution to the Indian Freedom Struggle

Prof. Virag.S. Gawande

Chief Editor

Director

Aadhar Social Research &, Development Training Institute, Amravati.

Dr. M.N. Kolpuke

Principal,

Executive-Editors

Maharashtra Mahavidyalaya, Nilanga Dist. Latur

Dr. Subhash G. Benjalwar

Editors

Head, Department of History Maharashtra Mahavidyalaya, Nilanga

# **Aadhar International Publication**

For Details Visit To: www.aadharsocial.com

© All rights reserved with the authors & publisher

impact Factor (SHI) -8.575.

Authors' Name

Isrue NO, (CCCLXXII) 372 - A

October, 2022

Impact Factor -(SJIF) -8,525.

Issue NO, (CCCLXXII) 372 - A

October 2022 K6:86.83

(1)

							_	-	-		- 1						
75		80	83	68	63	26	100	104	108	116	120	122	125	128	132	138	142
स्वातंत्र्यपूर्व काळातील संताचा त्रिद्रोह: सथ: परिस्थितीआणि भारतीय स्वातंत्र्य	डॉ. हंसराज दरात्रय मोसले	महाराष्ट्रातील सामात्रीक मुखारणा चळवळ आणि भारतीय स्वातंत्र्यचळवळ डवळे पांडुरा शष्ट्रचणराच	महाराष्ट्रातील सामाजिक मुद्रारचा चळवळ वाणि स्वातेन्य नदा. प्र. बनगोडे मुद्रणी बहादेद	महाराष्ट्रातील महिलांचे भारतीय स्वातंत्र्य लढ्यामध्ये गोवदान: एक अभ्यास डॉ. अनिल शिवासी टिके	प्रारंभी च्या काळातील स्वातंत्र्य चळवळी आणि महाराष्ट्र प्रा.डी.वतंत्र व्यक्टराव कदन	भारतीय स्वातंत्र्य नड्याव क्रांती सिंह नाना पाटील यांने योगदान. को अन्दुल्समद नादणहा शेख	तिल्गा तक्षिक के स्वतंत्रता देनानी पंडित वीरमद्रजी आर्थ का देशबाद गुकित आंदीलन में योगदान	उमाजी नाईकांचा ब्रिटीश ससेदिरोधातील सका प्रा.डी.शिवाजी गांधे	सहमण गणेश कुलकर्णी उर्फ धन्यंतरी कासेगांवकर वैद्य गांचे इ.स. १९४२ च्या लङ्गातील योगदाण, एक अन्याम या. श. शर्थिकांत यहादेव मीहिते	महाराष्ट्रातील क्रांतिकारी मळवळीचे पारतीय स्वातंत्र्य बढ्यातील योगदान प्रा.हों, अधीक बंगाराम अंभोरे	पारतीर स्वातंत्र्य चळत्रळीतील वृष्ण्डे आणि प्रिटीश सरकारणी भूमिका डॉ. ज्ञ. सतीश खरात	न्वतंत्रता आंदोलत में जिल्ला मुंडा का योगवान पा, डाँ, माईक एन.ही.	महाराष्ट्रातीच कुक्तप्त्रांचे स्वातंत्र्य चळबळीतील योगदान सहा. प्रा. दिगक हरी सहासे	हैद्राबाद संस्थान विलिनीकरणातील टॉ. बाबासाहेब आवेडकरांची भूमिका घा. डॉ. संहोष रोहिदास पहारे	महाराष्ट्रातील क्रांत्रिकारी चळवळीचे मारतीय स्वातंत्र्य जड्यातील योगदान प्रा. डॉ. केशव अवादास लहाने	महाराष्ट्रातीम क्रांतीकारी चळवळीचे भारतीय स्वातंत्र्य सक्तातील रोगदान चहा. घा. गवते ग्रंदीप भानुदास	हैदरागद मुक्तिमंगम:भारतीय स्वातंत्र्य संगमाची परिपूर्ती (औरंगाबाद किव्याच्या ग्रह्मी
0,	6	20	21	22	23	24	25	26	27	28	29	30	31	32	33	×	35

41

होणे सोनुता हानवता

#

हों, नाराषण मुदासराव गेडाम

आदिनासी श्रद्दीदवीर बिरमा युंदा यांचे स्वातंत्र्यभक्तातील योगदान

10

6

=

महाराष्ट्रातीम महिलांने भारतीय स्वातंत्र्य नकबकीतील योगदान

पहाराष्ट्रातील क्रांतीकारी चक्रबकीय भारतीय स्वातंत्र्य महणातील योगदान

बिरोहातील उठाब

90

48

डॉ.मुचिता निवृतीराव किडीले प्रा.मिलिर व्यंकरी घारमे

54 27 99

पटेकर अज़ीन मंगाराम

भारतीय स्थातंत्र्य सक्यात औरमाबाद जिल्ह्याचे दोगदान

सवित्र काय्हें पंष्ट्या चळवळीतील पहाराष्ट्र

महाराष्ट्रातीन आच क्रांतिकारक उपाजी नाईक

12 13 7

ड्रा शिवराम मेविर्एक जापव

33

ग्र.हो. विजया साधरे

28

पा. शो. जी. गुस. पाटील

प्रा.हों. संजय जियाड पाटील

=

डा. मेहर ज्योती सांप्रके

9

Dr. Nalini Avinash Waghmare

Mahama Phule and Social Reforms with reference to Emancipation of

भारतीय स्वातंत्र्य चळवळीमध्ये महाराष्ट्रातील डॉ. कमकाबाई ब्रष्टपुरे वाचे

Role of Mahratta for Educating Masses in Indian National Movement

Title of the Paper

No.

-

er

INDEX -A

Dr. Geetall Tilak

10

महाराष्ट्रातील खिलांचे भारतीय स्वाठम्य सम्भातील योगदान प्रा.डॉ. बाळू कांबळे

4

1

बंधितांच्या इतिहास सेवन परंपरेतून खानदेशातील भिन्ल आदिवाधी स्वातंत्र्य

23

37

डॉ. सुभाष गणपतराब हेबलबार

१८७५ का महाराष्ट्रातीम शेतकरी दंगा, बसाहतबाद व गोगणनादी व्यत्त्रके

गारतीय क्षांतिकारी सकामध्ये महिषांचे गोगदान.

महात्या गांडी अणि हैदराबार मुक्ती संगाम

9 -

वैनिकांच्या स्वातंत्र्य संगयाचा आदावा

m

1

uiii Website - www.andharsocial.com Emill - andharsocial@email.com

जिल्हाच्या संदर्भा

67

डॉ.गंगणे बार.च्हि.

19

प्रा.हो निरे मंजय बाऊराव

भारतीय स्वातंत्र्य लक्ष्यात मराठी बृत्तपत्रांती महत्त्वपूर्णं भूमिका : एक अभ्यास

भारतीय स्वातंत्र्यमक्ष्यातील रणरामिणी : नीलाताई पादील

2

20

प्राचार्य हो बबन प्रधार

स्वातंत्र्योत्तः कालीन सामाजिक चळवळीची परिणामकारकतः आणि बास्तव

हुनी प्रधान देशान्या परिप्रेक्षाजून कृषी घोरणे एक आजनन

17

28

91

73

ती. रामभाऊ मृदक्षेत्रे

Email - andharsocial@gmail.com. Website - www.aadharsocial.com

Impact Parker (SERFY-AZES, Lance 60), 2011 LESSO 2173 A.

निलंग तहसिल के स्थारता सेनाने पंडित बीरभद्रजी आर्थ का हैप्रजाद मुक्ति के के एम व्यक्तित, मानवत वि.परभागी महाराष्ट्र प्रा.डा.व्यास सी.पी. आंदोलन में योगदान

गष्टय निर्धेष होता रहा। इस प्रदेश को रवतंत्र करवाने के लिये भारत सरकार द्वारा साधार बल्लमफाई परेक्को को इस प्रदेश में पोलीस एक्शन करानी पर्ड थी। उसके बार ही पह प्रदेश १७ सितंबर १९४८ को स्वर्तत्र होकर, स्वर्तत्र भारत में सम्मिलीत हो पाया था। इस कार्य में इस महिलाये-पुरूष-बालक, किसान, मजदूर आदी घटकोंने ने किया । इस कार्य में हर स्थान से सवता रहा । ऐसा हिस्सा जिसे हैदाबाद श्रेट था निवाम स्टेट के नान से आना जाता है। इस निवाम की गुलामी, जुल्म, अस्याचार, हिंसा आदी से बाहर निकलने का प्रयास मग्रहवाड़ा के किया था। प्रदेश के कई व्यक्तियों ने निवास और निवास सरकार का विरोध करने का कार्य कर वर्षों से जो की १५ अगस्त १९४७ से १७ सितंबर १९४८ तक निजान की गुलानी, जुल्म, अत्याचार अपरत १९४७ को अंग्रेजों के नुस्तर्ग से आभाद हुआ । यर चाता में एक ऐसा ची दिस्सा रहा अधुनिक भारत के इतिहास में भारतीय राष्ट्रीय स्वतंत्रता संग्राम के बाद भारत भाने ही १५

ऐसे व्यक्तियों ने स्वतंत्रता हेतु किया कार्य भी देश सेवा की दृष्टिये नकार नहीं वा सकता । इस केवल विजास सत्ताबीका रहे । विजानोंने इस प्रतेश में कुछ विकास असर विके में केवल विजास का योगसा तथा उनका स्थान करों दिया जाना चाहिए । मतराष्ट्र के रूत्र विरहे में औराद शहरजानी नामक गाँव महाराष्ट्र तथा कर्नाटक को सोगावर्ती क्षेत्र में स्थित है । हिन्दुस्थान मुक्क युन्ति संताप में जिन्होंने अमुला सहयोग दिया ऐते लोगों का ग्रामान करते हुए शालीय ध्याकार ने का योगदन महत्त्वपूर्ण रहा । इन महत्त्वपूर्ण व्यक्तियों के कार्य से ही यह प्रदेश स्वतंत्र हो पाया । लींग समाज में उमरकर अंगे आये । जिनमें कई स्त्री, पुरुष, बालक, किसान, समाजसेवक आदी पर आगे चलकर नयी विचारपायवाले, प्रातीशिल विचारपायवाले, स्वतंत्रता की विचारपायवाले कई इन होनेवाले अन्याय, अन्यायार, शोषण के विरोध में आवान उठाने की कियो में ताकर नहीं थी। हुट नहीं पाया । इस में समाज के हर वर्ग पर अननविद अन्याय अत्यावार, शोषण होता रहा । अत्याचार किये जाते। जिसमें स्त्री-पुरूष-बालक, मजदूर, किसान, जनसमान्य, व्यापारी कोई भी उन्हें कुछ भी लेना देना नहीं था । निजान के शासन काल में प्रदेश के अनता पर अननविद स्टेर को आगे हैं जानेबाले थे, आधुनिक काल में भारत के अन्य स्थानों पर होनेवाले विकास से परवात और ख़तत पारत के निर्माण तक के बीच के काल में निजान की सत्ता रही । ओजी था हैदाबाद स्टेट के नाम से जाना जाता रहा । इस प्रदेश पर आखिर तक यानी मुघल सत्ता के एक बड़े प्रदेश का प्रमुख कर क्या था । निजान के शासन काल के इसी प्रदेश को निजान स्टेट गंध भरी थी। वह उस समय का भड़ा और वलवाल संस्थानिक वन गया । जो को हिन्दुस्थान के समुदाय के जरूरतों को मदुदेनबर रखकर किया गया नहीं था । उसमें भी निजाम के स्वार्थ की का राज रहा । निजाम ने भी अपने प्रदेश में विकास सुरुवाती दौर में किया । यह विकास जन सभी माताओं के साथ हजारों की तादाद में सामिल हुए, ध्वतंत्रत संग्रम में सहभागिता देनेवाली विकिष क्षेत्रों में कार्यरत संघडनों, सैकडो प्रमुख, सहात्यक नेताओं तथा स्थिमों का नेतान करती इतिहास का गरेन हो है। दलिते ने दिया योगदन भी महत्त्व का है । इस मिट्टों की शान हेतु नुसार संपर्ध में अपनी आहुतियाँ दी। स्विमों को सहभागिता तो सन्य में नारी शक्ति को हमारे उन्हें प्रमाण पत्र और पेन्हान की रकम मंत्रुर करके गौरवान्वित किया है । शासन और अंग्रेजी विकास के विचार भी इस प्रदेश में नहीं आये । इस प्रदेश का सर्वेसवां साधान्य की समाप्ती के बाद महाराष्ट्र के मराठवाडा, कर्नाटक और आधार्यश के प्रदेश पर निवास इस कार्य में शिवितों ने अपने बंग से, दिवसों ने अपने बग से, बाएकों ने अपनी धानता

Impact Factor -(SJIF) -8.575, Issue NO, (CCCLXXII) 3772-A

October.

A 171 NAME AND POST OFFICE ADDRESS OF THE OWNER, WHEN PERSON OF THE OW

महत्त्व तो है हो, पर जिन्होंने सहाक क्षेत्र में मीत को महे लगाया, उन सभी नगरिकों का महत्त्व सेनानियों के सम्तुष्ट्य है । अनेक अखबार— उर्दू, मराठी, हिंदी, तेलगू, कन्नह, अंग्रेजी पाषा में उनके नामी का उल्लेख जान जावरपक है । इस संस्थान के तथा बाहर के प्रेरणादायों नेपाओं का दुष्टि से सिखा जाना आवशाक है। इतमें जिन-जिन व्यक्तीयों, मामाओं, स्वी-परूपों, स्वतंत्रत सेनानी, क्रातीकारक, किसान, मजदूर आदीयों ने अपना महत्त्वपूर्ण योगदान इस कार्य में दिया कार्यों को आज समाज के सामने त्याना आवारयक है। इन सम्में के महत्त्वपूर्ण कार्य से ही निजान स्टेट १७ मितंबर १९४८ को स्वतंत्र हो पाया और आज के भारत में सम्मिलित हुआ। इस घटनाक्रम का इतिहास जो लिखा गया है और इसके अमे लिखा जायेगा इसे इतिहासलेखन को सत्य से न शुकतेवाले शासन के खिलाफ भए निर्माण, उन्हीं के शस्त्रों की लुट, क्रोडॉमेरी नाजी की लूट करनेवाले और एडियार, कप आदी का प्रयोग करनेवाले जांबाज देशपत्रकर्ती में से कड़वी महिलाओं ने रवे गीत, घोषणाएँ और प्रेरक वाक्यों का संगठन होन भी आवश्यक है । अहिंस कदाणि क्षमा नहीं करेगा । विधिष भागाओं में पूर्व स्वेतन गीत तथा हुवाल्माओं के दिन्द प्रान्ध साथियों द्वारा कई प्रकार से प्रताडित भी किया गया। कई बार जेल भी हुई । उनके ऐश्पनित पर निजाम और उसके साथियों का विरोध आखरी श्रष तक किया । इसमें उन्हें निजाम और उसके को बलिदान देना पड़ा -सैकडों गाँव जलाये गये, रहते गये, रक्षाकारों हारा किये ऐसे कृत्य श्रम्य शांगे क्या ? इतिहास इसे शुरू हुवे जिन्होंने आगृति की । प्रजा अधिक सात में हिंदु होने से अज्याय भी उन्हींप हुआ हुए । पंडित बीत्पद्र आर्य और उनके तरह कार्य करनेवाले सभी लोगों के किये देशपंक्ति प कार्य से औरद शहरजानी और परेसर के लंग उनके साथ हैटाबाद मुक्ति आंटीशन में सहमानी महाराष्ट्र के लजूर निले के और अहाजारी नागक गाँव के पंडित प्रीत्मद्र आर्थ इन्होंने

अगनी गुरूनाती शिष्ण की युक्तात उत्पीर नामक गाँव से की । आज उद्दर्शर रूत्र किए का एक तहसीरू है । उन्होंने अपनी अगली पढ़ई गुरून्तुरू से खाण की। वीरपदनी अपनी पहाँ भी शिक्षा पूर्ण कर १६ वर्ष की आपु में पुन: अपने गाँव पानी औरपद राह्मजानी को राजेट आने । इस समय में इस पुना के व्यक्तितत्त्व को देशप्रेम की भारा से उपार आ गया था । इसी वजह से वे हमेशा खेदैन रहे, जिससे उन्हें हमेशा स्वतंत्रता और अन्याय के विरोध के रूप प्रात्साहन गिरुत्ता नामक गाँव के स्वतंत्रता सेतानी तथा हैदाबार मुक्ति संग्राम के एक प्रभाषी और घीर गरीर नेता पंडित वीरपाइजी आर्ट का योगदान महत्त्वपूर्ण रहा है । पंडित वोरमद्रजी आर्य का जन्म सन रामदासजी और खताता के बीर साबरकर ती को ही अपने जीवन में अध्य स्थान माना । इसी लिए उनके विचारों में प्रखाता दिखती है । उसी के साथ उनमें खताता की जवाला को बढावा अपने जीवन में इन विपदाओं का सामना बचपन से लेकर बुझपे तक करना पड़ा । बीरभद्रजी ने उन्हें कम आ से ही हुजन पड़ा । उनके बीवन काल में बचपन से ही कठिनाईयों रही । उन्हें के बिना ही अपना जीवन व्यक्तित करन ५६। । इस परिस्थाती में समाज तथा अन्य कठिनाइयों ही उसके पिताओं का साथा उनपर से हट गया था । वीरषद्रजी को बचपन से ही पिताजी के साथे १९०२ में हुआ । उनका पुत्र नाग बीरभद्र लिंगणा तुमाने था । बीरमहत्त्री के जन्म के पाँच वर्ष में अवाव दिया । वीरमद्भानी ने अपने जीवन को और अधिक रूप से उपापर करने में समर्थ कबीर या सतो के तनन व्यापक जीवनानुभवों के उटाइरण अन्याय का सच्चा और प्रभाव चित्रण, साथही सोदाहरण प्रवाही और सिहनाद जैसी गंभीर पहाडी वाणी सच में सुननेवालों को पंत्रमुख साथ ने प्रमावी वक्ता भी थे । अतः जल दे लोगों के सामने खडे होकर भाषण करते तो उनकी हेने का कार्य भाई बन्धीलालको आर्थ के विचार्ग ने भी किया । पीडत चीरभड़नी ने औग्रट से भरी परिषय के खिलाफ प्रेरित हुए। उन्होंने निजाम काल के अत्याचार के विरोध में मुहत्तोड यहा । बीरमहत्त्री आगे चलका आ की २२ वर्ष की आयु से निजम के अन्याय और सत्याचार क्षेत्री, मुद्रा, तेकावी न्यम, गठीत शरीर, शब्दों का माधुर्य, हिंदी की सरकतम लेकन शेर-शायरी स्थापना इस नगर में करवाई । एं. वीरणहजो आर्थ स्थापना के विचारों से प्रचानीट थे, साथ ही शहानानी नगरी में भाई बन्सीलालको आर्थ इनको प्रेरणा लेकर सन १९२८ में कार्य सनाज की मगुडवाडा मुक्ति आदीलयन के इस कार्य ने महाराष्ट्र के लग्नुर जिले के औपट शहाजानी

पहत्वपूर्ण रहा है । इसकी मुरूवात अक्षेति औरार शहाजाती और उसके परिवार में गाँबों से को ।

उन्होंने च्वाओं के मन में स्वतंत्रता के विचार तो बोधे माथ ही माध उन्होंने आर्थ समान के ब्यंप,

ध्याबाद मुक्ति आदोलन के महत्त्वपूर्ण कार्य में पंडित वीरभद्रजी आर्य इनका योगद्रान

भर देता भी । जिसे सुनने के किया कोम मुद्देव काकानियत रहते में 1 उससे मई युवक-युवातियाँ,

BESSEL FERTIN STATES - BAZZE, SERVER PRO, ECCCLANAS 372-A

बारान, स्वी-मुरुष प्रमाप तथा प्रेरणा चाते ने और संबंध के सदैव रिवय तयार हो जाते हैं ।

उद्देशयों के अनुरूप और जन समुदाय को संगठित करने का महतन कार्य किया | जिसका

फागदा उनी दिशमाद मुनिह आदेश्विन में हुआ धीरे-बीरे पडित प्रोत्महणी वा कार्य अरु हैद्राभाद के निजाम की मठोरता, अन्याय और अल्याबार के विरोध में बदात रहा । वे निजाम और रजाकारों के विशेष में कार करने रुगे । इसके फरर ख़क्त उन्हें कई बार जेरू में भी जाना रडा । अन्यायी विज्ञाम और अन्यायी सजाजारों द्वार अनके विशेष में कार्य अनके माध्यम से क्षेता यहा और किसी न किसी तरह से उन्हें कोई न कोई कारण से लेल भेजा आता था । सन १९३२ में और राहाजानी में मोहस्म आने ही दंगा-फसार का उद्भय हुआ । निजाम के अधिकारियों ने मीका देखकर गईडत वीरमद्रजी को गिरफतार किया । अर्थात पश्चित वीरमद्रजी और उनके साथियों ने पर्ल ही इस समय तनाव न ही बदाया हो फिर भी निजामी अधिकारी सहद तनाव बद्धा देते थे 103 | Website - www.nadharsocial.com | Fmail - notharsocial@email.com

11.74 19.1014 October,

2022

भिन्न जनतिक के प्रार्थका केमजे परित्र बीत्रपटिन आर्थ का वैद्याद परित्र

1179-9300 October,

2022

Impact Parint -(SJIP) -8.575. Issue NO, (CCCLXXII) 372-A

और उनके साधियारों ने झंडा सत्याताए में सहपान ित्या । इसी बनाह में पंडित वीरपद्भी आपे 前次明前時前前前衛衛衛衛衛衛衛衛

भी किये । ऐसे महानदम व्यक्तित्व का स्वर्गमास दि. २४ दिशम्बर १९९४ को हुआ । इस महान व्यक्तिराख और उनके साथ हैद्राबाद मुक्ति आंदोरलन से सभी विदे को और रासीदी को सदर नीवन में दिलामी शाहन करू और हैग्रवाद मुक्ति आरोलन के पत्नात भी कई समाजिक कार्य पंडित बीरमदनो आर्थ और उनके साथिदारों ने हसी तरह हे हैदाबार मुक्ति आदीलन का कार्य निजामी अन्यायी शासन को समाल करने तक संबंधित जीवन जारी रखा । उन्होंने अपने United !

२. आर्य वीरभद्र पंडित, १९९८, कांतिकारी शेषराव वाषमारे, हैदराबाद मुनेत संप्रामः एक उपेक्षित र. नोट पीरेत, १९,७३, ईरबार के अध्यों को सामना और सामा, बोविटराम हमानंट, टिल्की

संघर्ष गाया, प्रकाशक देवगिर्ध प्रक्रियान, अर्गेरंगाबाद

3. नोंद्र पडित, १९७३, हेद्रबाद के आयों को सामना और संपर्ष, मेबिट्यम हमानंद, दिल्ही

६. पोतदार वसते, १९८४, हैद्राबार स्वातंत्र्य नंगाम

.. च्टागांत गर्जे ह्यं, १९,०९, सीर सेनानी जार्थ नेता श्री शेपात्र वापाने, आर्थ समाज, निरुत्ता

रोडे सोमनाथ डॉ.,१००८,हेद्राबाद मुक्ति रुवा आणि स्वापी समानंद तीर्षं अश्विनी प्रकाशन,

उस्मानाबाद, महराष्ट्र) के बैदप्रकाश राहुओं के पंगुल में फंस गये। उन्होंने तो मानों मातृभूगिपर

। उसी सरह अमला प्रसंग था नागदीपोत्सव का, इस स्वीहार के पहले दिन मुंजोदो (अमराग जि.

न्योडापर होने की प्रतिया कर त्वी यी । यह कैसे भाग छठा होता कुछ अस्त, पठाण, इन्हेडादुरु के लोगों ने बड़ी कुरता से उसका सिर षड में अलग कर डाला । सीर वेदप्रकाश ने धर्मिममानी सभाजी की तरह खुद को न्योख़बर कर दिया पढ़े क्षा परिवर्तन करना मंजुर नहीं किया । ऐसे बंग्सीलालमी आर्य के साथ पंडित बीरभद्रजी भी थे । सन १९३८ में सशस्य संघर्ष हुआ । इस सगरव संघर्ष में हैद्याशाद के मुक्ति आंद्रोटन के प्रमार्थों नेगा के रूप में निजान सरकार की नजर

पंडित बीरभदनी पर मदैव रूमें रहती थी । पंडित बीरभद्रनी आर्य को पकड़ने के लिए सन १९३८ में १०० पुलिस, मोहतमीन, कोतवाल यक्त प्रमुख और दो पी.एम.आय. रक्षकारों के

नेदग्रकाश के बल्पिटन के उपरात भेद प्रकाश दिश्यमां की घोषणा की गई । इस समय भाई

साथ अर्गेगद शातआनी में गहुँचे । इतनी शक्ति तथा अधिकारियों की मास्या में मान हो जाता है कि उन्हें गिरफ्तर करने निजामी शासन सदैव लालाईत एसा, वे एक अहम व्यक्ति थे और अमुवा नेता थे । इसी से उनके हैंद्याया मुक्ति आंदोलन के बारे में प्रकट विचार, कार्य का इस अनुसान लग सकते हैं। इस प्रसंग के परचात पडित बीरभद्रजी आप स्टोलपूर रहुंच गये । उन्होंने अरना अनला सम्पर् गुरा रूप से जारी रखा । निजाम बरकार की पैनी गंजर पडतेही उन्हें किर से पकड

लिया गया और बिटर के कोर्ट में ल्वामा गया । इसमें उन्हें ६ महिनों की कटोर मज़म कैट की सन्न सुबाई गयी । आगे चलकर बन १९३८ में रिजाम से फ़िल्ने हेतु प्रतिसिक्ष मंडल की स्यापना जी गदी । इस प्रतिनिधी मंडल में भी पंडित बीरमद्रजी प्रतिनिधी के रूप में उपस्थित रहे ।

पंडित बीर्घटनी औरद शहाजानी के करीन स्थित गीडगाँव में पागण के कारण फिरते गिरफार

किये गर्य । यत १९४० में भी उन्हें मोहत्म के प्रसंग में भी निजाम सरकार ने पडित झेरभटजी आर्थ पर शाक करते हुए फिएमता किया और ज़िल्ला की जेल में चीटड़ टिनों तक कस्त्र्यों में ग्रज से गिरफार फिया गया । यह विलिक्षिण नियाम और उनके लोगों को टरफ से हमेशा होता रहा ।

फिर भी गडित वीरेफ्ट आवेजी ने आर्थ समाज के जरीये जनहित के भाषण देने का कार्य किया । २४ मई १९४ को एजाकारों द्वारा और राहाजानी गाँव जलाया गया । इस समय पडित वीरपदजी आये ने इस गाँव की रक्षा करने का कार्य किया । इसी कारण को आगे कर निजामी सरकार ने उन्हें और उनके साथियों को किर से गिरफतार कर लिया और निलंगा को अब्राख्य में मेश किया गया । इसमें उन्हें कई कड़ दिने गये । दि. १४ फरवाी ११४५ में दिन उन्हें गुरुवार्ग

गया । इसी तरह आगे उने मेहकर (जा.भारुकी, कर्नाटक) गांव में भी भाषण देने की दजह फिर

७. पाळीकर अगोक, १९८८, हेडाबादच पहिला सत्याप

८. कुरुद्रकर नरहर प्राचार्य,१९५८,हैदाबद: निमीचन आणि विमर्अन, जिन प्रकाशन, औरंगाबाद

९ करे पण जॉ. स्वानंत्र्य मैनिक चरित्र कोण महामाष्ट्र गज्य मराठवाडा विभाग १० सल्याग्रह स्मारिका, १९८९,आर्च प्रसिन्धी सभा, हेद्राबाद, अधिप्रदेश

११. व्यास मी.जी.प्रा., १९९८,इतिशसकंबनशास्त्र, अभिजीत पब्ल्जोशन्स, त्यापुर

१२ देश प्रणाकर डॉ., १९९९, हैजबाद मुक्ति संग्राम स्वतंत्र्य सैनिकांच्य मीखिक नोंदी, स्वामी गमानंद तीर्ष मगडवाडा विधापीठ, नादेड

१४. ब्रह्मनाथकार वि.मो. २००० हिंदू अस्मितेचा हुंकार,भारतीय इतिहास संकलन समिती, महाराष्ट्र १३ पालेगड अनंत, १९८७ देदगबदचा स्वतंत्र्य संगम आणि पगटवाडा. गीज प्रकापन, मुंबई

१५, बाजपेची पंद्रशेखर,१९९९,हैद्राशद मुक्ति संग्राम आणि मी,श्री केटारा पव्टिकोरराना, औरंगाचाद 14. Tirth Swami Ramanand, 1967, Memories of Hyderabad Freedom Struggle

to Dhenjie B.S., 1988, Contribution of Marathwada to Hyderabal Freedom Movement, 1938 to

(८.पाळीकर अशोक, १९८८, हैदाबादपा पहिला सत्याग्रह

की अदालत में पेश किया गया । इस अवल्त में उने सात साल की सज़म कारवास की सजा

सुनई गई । गुरुवर्गा जेरु में उन्हें काफी यातमाएँ सहनी पड़ी । जिसमें उन्हें गेटी में काँच का चुरा डारुकर दिया आता । जिसमें उनका ऑपरेशन भी हुआ । जाने उरुकर पंडित बीरपाइको आने

International Registered and Recognized Research Journal Related to Higher Education for all subjects ISSN: 2277-7423

Special Issue Impact Factor: 0.4521 (UIF)

# MSIGHT

Research Analyasis

सौ. केशरबाई सोनाजीराव क्षीरसागर उर्फ काकू कला, विज्ञान व वाणिज्य महाविद्यालय, बीड

व

मुर्ती व शिल्प संशोधन संस्था, ओरंगाबाद

यांच्या संयुक्त विद्यमाने

दोन दिवसीय राष्ट्रीय अधिवेशन

Senting Arend Architecture

१० व ११ फेब्रुवारी २०२३

\* आयोजक \*

इतिहास विभाग

सी. केशस्वाई सोनाजीसव शीस्सायर उर्फ काकू कला, गणिज्य व विज्ञान महाविद्यालय, बीड

22.	Buddhist Iconography and Postures of Buddha Images	114-122	7
	Kalpana Prabhudas Bhatambrekar		-
	Prof. Dr. Kishorkumar Gavhane		
23.	Concepts and Developments in Buddhist Iconography	123-131	1
	Kimaya Kishor Deshpande		
24.	Saivism (Linga worship) Istalinga Worship in	132-139	
	Vachana Sahitya and Its Importance	9.5	
	Dr. Nalini Avinash Waghmare		ı
25.	Third National Conference on "Sculpture, Art and	140-148	
	Architecture" Icons and Sculpture Research		
	Foundation		
	Ms.Kesharbai Sonajirao Khsirasgar Alias Kaku		
	Alkesh Zaveri		
26.	A Historical Study of Temple Architecture and	149-152	1
	Sculpture of Selected Temples in Latur District		
	Dr Shinde Anant Namdevrao		1
27.	लात्र जिल्ह्यातील पाच वैशिष्ठ्यपूर्ण स्मृतीशिळांचा चिकित्सक	153-159	
	संशोधनात्मक अभ्यास.		
	श्री कृष्णा विंबक गुडदे		
28.	केशवराज मंदिर केसापुरी	160-164	1
101	प्रा. बालाजी रावसाहेब बोडके		
29.	पुरुषोत्तम पुरीचे पुरुषोत्तम मंदिर	165-167	
	प्रा सुदर्शन उद्भवराव स्वामी		
30.	तगर (तेर) नगरीचे संदर्भ साधन	168-172	1
	डॉ.व्यास सी.पी.		
31.	मौर्य स्थापत्य कलेतील प्रतिकेः एक अन्यास	173-176	-
	डॉ. राहूल वसंतराव मोरे		

# वागर (तेर) गामीचे संदर्भ सामान

की.बास सी.पी. इतिहास विभाग प्रमुख, कं.के.एएमहाविद्यालय, मानवत जि.परमपी, मो.9421385400 email- chetankumarvyas@gmail.com

जाज मनवेदिहासाकडे पाहण्याचा दृष्टिकोन व अम्पासाच्या दिशा पूर्वी पेक्षा खूपदा व्यापक झालन्या दिसात त्यापुर्व एका नक्तवा इतिहास हा स्थानिक /अविशिक न राष्ट्रन राष्ट्रीय इतिहासस्यकेत व्यापक किस् लाग्यो किस्बुता त्याचे नारक जागतिक वास्पानाली परार्व कर्फ जागते महाराष्ट्राय प्राप्तिक नोदीत त्या नगरांनी जागतिक वास्पाना स्पर्ध केत्रे आहे. मगरवात्रायाया भूतीला वस्कुता त्याप जागतिक वीती मिळवून देणा-या न्यापात सर्व केत्रे आहे. मगरवात्रायाया भूतीला, वेस्क्रेक, देवगिरीचा किल्ला याची नावे ठावगतिक नकाशायर झळवलो. त्या पूर्वीच्या व नगरांनी मारक्षित नाव जागतिक नकाशायर झळवलो. त्या पूर्वीच्या व नगरांचा क्राप्ताया क्यापति मारकारती नाव जागतिक नकाशायर झळवलो. त्या पूर्वीच्या व नगरांचा व आप क्षाप्ताया व्यापति क्यापी नगर एकं काळी एवडे समृत्र व प्रसिद्ध होते की त्याने नाव क्षाप्त नाव क्षाप्त व्यापति क्षाप्ताया व्यापति वाची प्रदेश काली क्राप्त जाजानी ह-10 हजारांची वस्ती पाइन हित नाही तर स्थान्या खामा-युणा, अविशिष्ट वाबी उत्त्यांनित स्वरूप भूविलेख शिक्तलेख व तक्षप्त इत्तर वास्पति

ज्या नगरावे असुष्ण महस्य चहिन्ने त्यापैकी तेर है एक अंतरपाशीय व्यापाराचे बलबान केंद्र व ट्वनिश्वा फिल्ला यांची नाटे ठबकपणे आठवतात, साध्यासन काळात महाराष्ट्राचे सुवर्णपुन महसाद्धाने नाव जागरिक नकाशावर झककले. त्या प्रवीच्या व नंतरच्या इतिहासास गगतवाडयातील तेर हे नगर उत्मानाबाद या जिल्ला कंदाहन इंशान्येस व धांडे उत्तरेत 18 उत्तेवहारियाम मुगोलतम इत्राच्या दुस-मा शतमात सगरकी महितो देताना पूर्व लेखक टीजर ग्रैंट डफ, राजवाई, राडाएकर, गलीट, कडिन्स व त्यानाराष्ट्रया नेहानाच्या शरत आध्यननातून झाली. त्यामुळे सगर हे टोमी जनकते तेए होंग हे सर्वमान्य ब्राले जागतिक कीती स्किवन देणा-या खाळात प्राचीन प्रतिष्ठान भोकरदन, तर, अजिठा, वेसळ, िसी पर तेरणा स्दीन्या काठावर वसलेले आहे. बार्गीहन यूर्वस 48 मि.मी अंतरावर तो नगर आहे. त्याची मोगोलिक विश्वती लक्षात पेता दक्षिण व वसरेता जोतण्याच्या दृष्टीने तेरचे दरम्यान असित्त महत्त्वाचे दिसते, पेरिन्तस ऑफ एरिडिएन सी या पीक प्रयाच्या 51 व्या प्रकरणात तगर (तर) च्या केववसंपन्न ब्याप्राधसाठी बॅरिगाझा (मडोम) सारखे नहत्त्व सांगिताले आहे. टॉलेमी व मेरिनसने आचार घेत्रन अदिक विस्ताराने लिडेतो एण त्याच्या गुपालवनात माथाच्या आकारी विमधीया माहितीत चुका असून काही स्वल नोदीत ही चुका आल्या असल्या तर्फ, या नगरावी किलाहे, किसर, मेसर, Nov. खल निष्मिती करण्यात अनेक विद्वानानी वाटा उचलला गाहे यूल, मयवाननाले इद्रजी,

वागातिस्थार एक काळी एक्ट स्पृद्ध व प्रक्रित्व होते की स्वार्थ नाम सीक-शुमनाव्या प्रश्नातुन क्षणे अभिष्यां प्रशास कर्मात्र तर हे नगर पूर्व खूप मोठे (६ ते ६.5 मेलात विस्तारतेत्वे) होते क्षणी प्रक्रित्व प्रशास करता माहून होते नाही कर त्यांच्या साहा-खूण, अविश्वाह बावी, उरखानित एकस्तु मुर्ति तेख शिलालेख ह तामाद इमके वेऊ शकते

तेर हे नगर महारष्ट्रातील उत्मानावाद या जिल्हाच्या कंदाहुन ईशान्येल व बांडे उत्तरेत 18 कि.मी. वर तेरणा नदीच्या काठावर वसलेले आहे. वालीहन पूर्वेलं 48 कि.मी. अंतरावार तो नम्प्त आहे. त्यापी भौगीलिक क्षिक्री त्याप वंता, प्रक्षिण व उत्तरेश जीउणवाच्या दुन्दीने तेरचे दरम्यान अस्तिस्य महस्ताव दिसले पिरस्यम ऑक पृत्विशेएन की थ प्रकरणात तपर (तेर) ह्या वैपारसाय आसरावादी वेरिगाझा (म्ह्रीय) सारन्ते महस्त्य वाशितको उन्तरे. देतेनी अलेक्यांवियामा भूगोलसङ्ग इ.स.च्या इस-या मतकार तमरची माहिती देशांना पूर्वेलेक्क टीअर व वास्तिस्यवे आधार घेठान अझिक विस्तायने लिडितो पण त्याच्या गुणलखनात भरमाच्या आकारा विषय्तेल्या माहितीत चुका असून काही स्थल नोदीव ही चुका आल्या या नगराची स्थल निव्हानांनी याटा उचलाना विजयमंदि स्थिरेट, नंगर, रिटेर, मनवानवात्वे इंद्रजी, युरित, गॅट डफ, राजवादे, महारप्यर, लीट, क्षितम्य व लानंतरस्या गिहानस्या सरक अध्यनमानून झाली, त्याप्ते वारने आहेत

तेर महत्ते की आपदमा समोर संतर्भेष्ट गोरोवाकाका कुमार यांचे नाव दमे राहते संत गोरोगाच्या निवासस्था-गुळे तेरचे वेगळेषण नजरंत भरत असल तरी, त्यांच्या काळाचेत्राही हजाते वर्ष पुरातन असा गैमनगाती वारम व सांच्या अवभेष खूण अगा-चाचावर घेऊन हे बाव आज्ञी इतिहास प्रेपीय आकर्शन स्थळ स्थान वायम वर्षेत साहत आल आहे. जून्य काळातील साहित्यात या गावाया उत्तरंख साम असे केलेला आदळतो. प्राचीन तेखांनशीत उल्लेख, अत्यत महत्वाचे पुराते व तेथं संशोधनात सामझलेला अनेक विवेच वस्तु, होटो यावरून तेस्त्या प्राचीन वैभवावा व प्रगतीवील बाजारपेरोच अदाल काढता यहा.

या प्राभीन नगरत केथे नामञ्जेल पंनण बनावदीये तमाणदिव हस्तीदताक्ष्रोत गिल्से मिदिरे या बाधनाच्या विपूलतेमुळे विधित संभोक्तानी वेशन अन्वेना = उत्त्वाना केने बादे जुन्चा काळातील विद्यानाचा विपूलतेमुळे विधित संभोक्ताना कृत, सातवहन नजाती नामी, विभी मातीच्या स्त्री आणि पुरुणाच्या भूती, स्तीबरमी दगडाये व काक्ष्ये नगी वा वस्तु उत्त्वानात सामञ्ज्यामुळे सातवहनकातीन पुरुणाच्या भूती, स्तीबरमी दगडाये व काक्ष्ये नगी वा वस्तु उत्त्वानात सामञ्ज्यामुळे सामगण्डलेन्या करता वेत आहे. उत्त्वानात सामग्रहन्यामुळे सामग्रहन्या कर्या सामज्ञ क्ष्यां काळा क्ष्यां स्तुता स्त्रीक्रिक्ता नस्तु आपन्या मनोर परफातीन सेश क्ष्यां सामग्रह व कत्तात्मक वस्तुत्या करेदीसादी केत असत्त यावक्ष्य देश आपन्य सामग्रह व क्रांचिक्ता वस्तुत्या करेदीसादी केत असत्त यावक्ष्य सेत क्ष्यां क्षांचिक्ता मादिर हो हाजाये वाध्येति आपन्या माताति सर्वात महत्त्वा अपन्या माताति अस्ता स्तुत्य अस्ति स्तुत्य प्रतिक्रम महिर हे शीविष्णुवं महिर आहे. ही वास्तु हुणेएणे विद्योति बातनेक्षे आहे. महिरात अत्या मुदर अत्री अक्षांच्या श्री वास्तु हुणेएणे विद्योति बातनेक्षे आहे. महिरात अत्या मुदर अत्री अक्षांच्या श्री

विष्णुची काळ्या दगडाची मूर्ती आहे. गंगील कालंबार मंदिर होतव गंगीतते जाते. गंतिका शिवविनगांची स्थापना केलेली जाहे. वसेव जैन मंदिरेही आहेत. जैन मंदिरात पार्थनाथ लसेव महावीर बांच्या मूर्ती पहात्कारत मिळतारा. यावरून धर्म तंकमणाच्या काळातील सर्व धर्मीय लोकांचे बान्तच्य पा विकाणी असावे

THE REAL PROPERTY AND

3

the super within 1834 by proper

मातीचे मणी, मृणमत पात्रे, नाणी, बोलकी कर्णभूशणे, डोळवात काजळ घातण्याच्या हाडापासून हसीरताच्या भूती, शंखाच्या बंगड्या, आरमाच्या मुठी, रोमण बनावटीचे दिवे, दगडाचे मणी प्राचीन काळातील तस्तुची कलात्मकता, कोशान्य व विविधता आकर्षक उसते. सुरुवात केली आणि त्यांने सुमारे ५००० येगवगळ्या परपूर्व भव्य संग्रहातय बगवर्ट श्री लागवे जवीब आहे. 1930 पासून त्यांनी तेर या गावात सापडणान्या जून्या बस्तूबा संग्रह करण्यात उपारलेती जैन मंदेरे व छातालेख आंधी उपलब्धी होंच. यानंतर बादव काळापर्यंत तेर थेथे मंदिर तपारत्या मेल्या होत्या. मध्ययुगातही तेर तम धरून होते. याचा पुरावा म्हणाचे या कालार जागरण झाल्याचे पुराग्ने दिसून पैतात आचीन काळात बीच्द धर्मीयांनी तेर केले आपले धर्म प्रसारको याची प्रवीती येते.प्रजीन नगरे तर येथे व्यापार आणि कलेच्या व्याची बरोबर वेळांवेळी धर्म प्राचीन मंदिरे पांच्या पुराव्यावरून तेर हे पहर ऐतिहासिक काळात किती समृद्ध व प्रगतीशील झेते तोट्या बारियाय राज्यागीरी व कगतासना देवी या बारख्या धार्मिक अप्रदादाच्या प्रतिम ही ग्रा बनवलेल्या काड्या (अंजनशलाका), बसे, हती, ठोढे, एसह बाच्या गुती, घरके पुराजया, विषयुक्त असूनही धार्मिक श्रव्दा, प्राचीन अवर्षेत्र, मृती, युंदर व मनोहर प्रतिमा यांच्या रूपाने जगभराच्य क्रमतात दरवर्णी हैन प्रोणेमेन्सर गोरोबाकाकाची मोठी यात्राही येथे नरते. एवढा काल लोटला याचे समापी मंदिर असून बारकरी संप्रदायाचे पाविक प्रत्येष्ठ एकादबीस गेथे मोठमा जमाणाव जन्मपूर्व व कस्मूमी म्हणजे तेर गांव होय आजही तेरणा नदीकारी गावाजवळ संत गोरोगा काम बाज्याची कामे चालूच होती. यान्तर धारकर्र संप्रदायातील सत गोरोबाकाका कुमार याचे कें, उबारते होते सालग्रहनानंतर गुन्त, चानुष्य काळातही तेर ग्रेथ हिंदूच्या धार्मिक सार् विकाणी सापडल्या असून त्या संग्रहालयात पहावधार मिळतात. वर उल्लेख केलेल्या वस्तु व कलारसिकांना आणि लगोषकना आजही आक्षीत करीत आहेत. याचा अध्यास होण गरजेर रिकवून देवण्यासाठी तरहे नागरिक केरामतिंगअष्या लमकूरे यांची कानगिरी अजीव तर येथे आगरी प्राचीन साधने मिलतात तेर येथील है पुरतान वैभव व त्यांचा अदितीय क्रेंचा इतिहास जीवत राहिला आहे. श्री लाम्यूरे पांच्या संप्रशासिल तेरण

# विलालेक-समयदांन अध्यक्ष व अधारक

तेर नगरी दीवरी महिती देशरे अनेक सामने विपुत प्रमाणात उपलब्द होतात येथे प्राप्त होषान्या सामनान विषयी बन्याच विद्वानांची आपल गत मोडले आहेत. कांझेन्स, डॅग्लस बॅरेट, व्याचेकश १५५८, बॅनाची १९५८, डॉमोरेडवर दीवित १९६० डॉ.टेव व डॉ.पथी १९७५, यांनी तेर संबंधी पहणी, उत्यानन, संशोधन व लेखन या संबंधात म्हरवपूर्ण योगदान दिले आहे. तसंब तरेव अधिरागत्व जगारामोर माठणारे रामविनाम्य जनमा जामतुरे व आहे संग्रहाचे कार्य अधिरागरणीय

तामपट (इ.स.८०१), इ.स.८४०चा तमगट, इ.स.८४२था सामपट, कर्राष्ट्रये प्रसम्बद्धां महामङ्ख्येष इस्किइन नार्दने कनाटक अंड कोल्हाफू रटेट मध्ये याचे प्रकाशन केले 14 डॉ.शा.भा.देव यांनी विजयादित्य (कोल्डापूर) शिवालेख जुगत केट मिळाला. यात कालोल्लेख नाहा खंड ३ मध्ये दिली. याचा काल इरा. 997 हा आहे. यात तगर नामीस्नेख मिळतो. १३ शिलाहार अपर्राजितम् १९७७ स. तासपट भारत् (जिलावं) ची भाहिती किनतोनं सभी इपियाफिका इतिकाच्या तेर या पुरतकात पचालुक्य जेप्ड्यमंत्रका दानलेख (इ.स.६१२), राष्ट्रकृट इतिका संख 32 भव्ये पिरपुष भारती दिली यात तमरपूर हे नाव आलेले आहे. १२.शिलाहार इ.स.) असुन त्यात तगरपूर नाव आले आहे त्या विषयी सरकार डी.सी. वानी इंपियाफिका दिली. तामपट त्यात मगरपूर्व नाव आहे. ११ किमापी तामपट हा बामुंडराज्या काळातील (१०३४ 1880 खंड ९ मध्य खारपाटणचा ताम्रपटा देऊन त्यात शिलाहार शासक अनेतपाळची महिला शिलाहार (भीज) चा शिलालेख सदर केला गात तरपूर नाव आहे. १०.तेलग वानी का जिल्हें अ म, यंत्री नमातारिः १९४७ व इपिमाफिका इंडिला १९५१-६२ च्या खाँड २९ सम्म कोल्हापूर यांनी जिलाहार गडरादित्य कालीन सळाले (1877-78) खंड 13 व 8 तीप ताज़बट फिलडॉर्नने इस इंग्रह्म अभ्यासून सादर फेला 9 दीक्षित मो शिलाहार शासक गडरादित्यवा शिलालेख अम्पासून मांडला. त्यात देश्या उल्लेख आडे. 7.इद्रजी ५,266 ६.बानेंटने इपिग्राफिका इडिका, दिल्की,खंड । (1927-28) या तिपानी कोल्हापूरचा प्रभात कोलापुर नामध्यत तरक उल्लेख दिला. बडाईम व 5.शास्त्री जन्मव शाएसीसायटी स 2 वर्णन सादर केले 3.श्री उपध्याय यांनी इपिराफिक्स इंडिका, दिल्लीत खंड 23 केला 2 कुजपुळे शागी यांची प्राचीन मराठी कोरीन लेख (१९६३) या प्रथान रोस्था जिलालेखाचे घैत्यालयाच उल्लेख आहे. वेर (तेर) हे नाव आहे. त्यांनी तेरच्या एक्म 4 शिलालेखांच्या अभ्यास वस्तीच्या भागात असून देवनामश्च लिपीत बिहीलेला आहे. त्याव पाष्ट्येनाच व वर्षमान यांच्या वियानंद स्वामी ही नने दिती असून सो नागरी किसीत किईलेला आहे. मीमा शिलालेख जैन जीनोद्धार केल्याचा व भादुका दानाचे वर्णन आहे. मूलसंघ जैनासार्थ पृज्यपादस्वामी व शिष्य पार्यनाथाचा सिहासनावर आहे त्याचा काळ १४ वे शतकाच असून महावीराच्या देवालगाच्या नोंदवले आहे. हा लेख जुन्या मगठी भाषेत लिहिला आहे. हर तिसरा शिलालेख जैन वस्तीत वारियमलयोज मिल्सीचो चोद आहे. दुसरा लेख १७ व्या शंक्रमून त्यास घटापन प्रसंगीने दान विषयी निष्ठिते. हा लेखे ११ व्या हाअसुन त्यात घटनपुर्व घराष्यातील महामङलेखर जोगमस्स व ऐतिहासिक व्यक्तिमस्य प्रगट झाले त्याला सक्कम पुरावे म्हणून महस्वाचे हरतात. या शोधकायात राम्रण्टादिया ही साथ झाला. दलकथा, पीर्वाणक माहिती, क्स्तुरूप सामने कांतून जरा तरव असारी-ता प्रभुक्त प्रतानकार क्षेत्र तथा व तथा व तथा अधिकार प्रतान क्षेत्रका अधिकार प्रतान व्यापन the real party was not been that we delie to believe acted, section, 1.ग.इ.खरे यांचे भाव अपरणानी आहे. त्यांनी द.म.इ.साधने या ग्रंबात तरच्या कानडी शिलालेखा भक्कन आधार देणा—या वार्च खाठी जमा उत्सानन हा मार्च महाताकता होता एका प्रिकालका व रामपट अभ्यासला (ज.बॉ.क्स नृपता नन्नसज्जब एसासायट

जसलेत्या वर्राया, पुरावशेषांचा योच, चंग्रह व त्याच्या व्यक्तिमत्याची आले. हदाभावच्या पुरावका कानान ता करण आ श्वकाग आधार देना-या वाकी साठी जस उत्सानन हा भार्न हाराळला गेला तसाव जिलालेख व कामपदारिया ही शोध झाला दतकथा, पीराणिक माहिती, वस्यूरूप साधने यादून जले तरचे विकासिक व्यक्तिसंस्य क्ष्मंट आने त्यांना भावाम पुरापे महापून महत्त्वाचे उद्यादा या शहानान्यांत ओक्स पटनु त्याला

THE REAL PROPERTY AND ADDRESS OF THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER. THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.

प्रमास तसेव भुवण नगरी तेर ग्रंगतून दिली आहे. अशा अनेक सदर्भ सावनातून देरचा THE RESERVE OF THE PERSONAL PROPERTY (SECONDS) IN STREET, WHITE OF STREET mer for manifolding all graff silver east wester flience swelferen मधीराहण तासपट (१७६३) बर्जसने अध्यासला 21 संग्रम्भ एडाणनी कमच्य विजय (१२ वे स.)वा गिजालेख व गोरीय समाग्रीलेख (मग्नडी) अन्यस्ते 22.डाकालियांनी पिलाहर मृष्टी गल्नकानुनम शिजालेख (११६२) स्पाध्याय सोगत अन्यासना. वजिन्छने १६५९ या तेरका पश्चित तासगद अन्याशता या निष्यीमी संगतित माहिनी औधांमादेव हाथ पहासग्ट-गोरे जिलालेख व गमपताची वर्णनत्मक मुचि या प्रधात दिला आहे. काही सत्में मराठवाजा इतिहास संभाषन मडळ ने प्रमाशित केलेड्या चापेकर यांच्या लेखात आली आहे. डॉ.टेव शांचा तेर' या पुस्तकारा वरीय सकतित महिती आली आहे सुलमा मुत्तीशर यांनी एमफिल प्रबंधद्व तेरया सास्कृतिक श्रीहासिक व सांस्कृतिक इतिहास उजाबर झता काहे वामुळे तेरध्य श्रोयत तेम्ब्या परिसयाना, With the start of the state of several state of the state 20 शिलाहार सजा गागार पुगा 10 गर्व एएम्ने हुस्की क्षेत्र क्ष्मि कहेदा 1913 मध्ये अभासत्त. महाराष्ट्रांका महत्त्व प्राप्त झालेले आहे

- 1 शास्त्री ज्याँ में शाए खंसायदी खार 9,266
- त्रकष्ठे शामी प्राचीन पराठी कोरीव लेख, 1961
- प्रत्यक्ष एक्सक मेट
- 古里田司子
- समुदगुरत पाटील वांब्या कडून प्राप्त महिती
- मुरलीधर सुतमा, सुषणे नगरी तेर, एम.पिटल.प्रका, डा.बावासाहेब आवेडकर मराटवाडा विद्यमित अस्माबाद

मीने स्थापता कलेदील प्रतिकः एक अन्यास

विष्णुची काळ्या दमडाची मुती आहे. प्रवास कातम्बर मादर पावत संज्ञातम ....

महाबंद यांच्या मूर्ती पडावयास मिळतात यावनन धर्म संज्ञमणाच्या काळारील सर्व धर्माय लोकांचे शिवतिसाची स्थापना केलेली आहे. सर्वन जीन मंदिरेही आहेत. जैन मंदिरात पास्केनाथ सर्वक

applied think is time regime.

डॉ. राष्ट्रल वसंतराव मोरे सहित्राक, राजाी शाह महाविद्यालय, नातुर

Trelland

भारत देशाता खुप आचीन परंपरा आहे अरमयुग ते आज पर्यंत विविध राजकीय, आर्डिक, सामाजिक सास्कृतिक इत्यादी घटनानी आणि बदलानो भारतीय संस्कृती प्रगठम बन्धी आहे. पा मधो अनेक पटकाविकी एक महत्त्वपूर्ण म्हणजे कमा व त्यानता प्राचीन काळातील अनेक धराण्यांनी उत्कृष्ट प्रशासना नोबतच कसा आणि स्थापतामध्ये पण विकास करून पारताध्या संपूर्ण भारतीय उपखंड एकाच छत्राखाली आणणारे मीर्य साधान्य हे पहिले सर्गात शत्रतीशाक्षी भारतीय साम्राज्य होते. गीये साम्राज्याचे अनेक शासक आहेत पण चंद्रगुत, बिदुसार आणि अयोक कालखंड हा कला आणि स्थापता क्षेत्रातील नुवर्णकाळ प्रणून ओळखला जातो. या मनजात सारक्षतिक इतिहासामध्ये भर शावती आहे. त्यापेक्षी एक म्हणजे मीर्व कालीन कला व स्थापत्य, ह तीन सम्राट महत्त्वपूर्ण शासक म्हणून ओठखते जातात. मीर्य साम्राज्याचे कला आणि स्वापत्यामनातीस प्रमुख योगवान स्तुप, व्यांब आणि लेजी होते. गतील सम्रट अशोकाया स्वापस्याचे विवेध वैशिष्ट्य प्रहायता मिळतात यामधील एक वैशिष्ट्य प्रमण्डामधी

अर्थपूर्ण आहे.

1. भीय कला व स्थापत्व कलेवा उम्पास कर्ण

प्रतिकान अविशय कत्यक्रिया वारर करण्यात आता अहे त्या माग्या संदेश हा अतिश्वय

वापरले गंतेले चिटिय प्रतिकं सप्राट अशोक कालीन स्थापत्यामध्ये नंदेश देण्यासाठी विभिन

- मीये कला य स्वापनगाको गागरलेख्या प्रतिकांच आवाचा पेगे
- 3. समार जमोकाने आपत्मा विकि स्थास्यामध्ये बापरलेत्या प्रतिकांका अर्थ समग्रुन पेणे संशोधन पद्यती

प्रस्तुत शोधनिक्ष्यानाठी दृष्यम प्रकारच्या महिक्षेच्या सापनांचा पापर केलेता आहे दृष्टम स्वापनाद्वारे प्राप्त केनेकी माहिसी ही बिकि प्राचीन इतिहसायर आवारित प्रथ, मुर्तीश्वारनावर आधारित ग्रंथ इ. वर आधारित बाहे

प्रतिके स्टम, कमळ सिंह, हत्सी, बैस, घोडा गोतम बुद्ध, पम्मचक, प्रमा

काठी मण्डेच्या प्रदेशातील लाल आणि पाइन्या सैडस्टोमने होते तर इतर वारणासीजवकचा व्नारमध्ये ताहन कळ्या डागासह उत्सान केलेले कफरगामे सारिक दाणेदार कडक वाख्ये साधारणान्नी सडाच्या हु. स. विकसपूर्त पहिल्या जनकाप्पीत न्यानच्ये बुधाच्या योगरपाही प्रतिमा तयार कंन्या मेट्या नाडीत. ऐतिहासिक कुद आणि त्यांची शिकवण वाची स्मृती उत्तरसकाना नवाट आयोकाने भारतगर सत्त दमारते हे स्ता दींग प्रजारच्या दगजात कोरतोर होते खड़क होते साम हिन्दान काळात निर्माण झाले हिन्दान हा केंद्र धर्माचा पहिला टपा आहे टिककुन देवण्यासाठी पुरेशी होती. परंतु कुद्धाच्या मानवी प्रतिमेसाठी अनेक चिन्हे लोकप्रिय आली. या अलेक विकामधील दोन गहत्त्वाटे आहेत है महण्डो कामळ आणि सिंह जे की समान्यत अशोक समायर दिसतात Impact Factor-8.632 (SJIF)

ISSN-2278-9308 (CDIX ) 409 April -2023 Volumes-B



# B.Aadhar

Peer-Reviewed & Refreed Indexed

Multidisciplinary International Research Journal
SPECIAL ISSUE ON
Konkan Gyanpeeth Uran College
of Commerce and Arts, Uran organised an

ICSSR SPONSORED

In association with

Department of History and

Indian Sculpture and Architecture Research Council
On

Exploring New Research Trends in Ancient Indian Iconography, Temples, Caves, Stupas, Chaityagraha and Rock Paintings.





Date: 20" & 21" March 2023

Chief Editor
Prof. Virag S. Gawande
Executive Editor
Dr Arvind Sontakke
Prof. Dr. Baliram Gaikwad

This Journal is indexed in : Scientific Journal Impact Factor (SJIF) Cosmos Impact Factor (CIF)

International Impact Factor Services (IIFS)

Details Visit To: www.aadharsocial.com Aadhar Publications Amravati (M.S)

Impact Factor -(SJIF) -8.632

Issue NO, 409 (CDIX) B

ISSN: 2278-9308 April, 2023

act Factor - 8.632

ISSN - 2278-9308

# **B.**Aadhar

# Peer-Reviewed & Refereed Indexed

Multidisciplinary International Research Journal

# April-23

ISSUE No- ( CCCLVI ) 409-B

# SPECIAL ISSUE

Gyanpeeth Uran College of Commerce and Arts, Uran organised an ICSSR SPONSORED

NATIONAL CONFERENCE

In association with

Department of History and

Indian Sculpture and Architecture Research Council

On

New Research Trends in Ancient Indian Iconography, Temples, Caves, Stupas Chaityagraha and Rock Paintings.

Date: 20th & 21st March 2023.

Chief Editor

Prof Virag S. Gawande

## **Executive Editors**

Dr. Arvind Sontakke Prof. Dr. Baliram Gaikwad

# International Publication

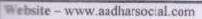
Www.aadharsocial.com

Western To: www.aadharsocial.com

Description reserved with the authors & publisher

# INDEX-B

No.3	Title of the Paper	Authors' Name	Page No.
1	कर्जत तालुक्यातील आंबिवली लेगी	डॉ. दयानंद प्रभू गायकवाड	1
2	त्रिशुंड गणेश मंदिरावरील लिंगोद्भव मूर्ती	Dr. Jyoti Pethakar	4
3	मारा राक्षसाचा हल्ला आणि संमोहन प्रा. डॉ. शिरीप अ	गंबेकर, सूर्यकांत फकीरा जाधव	7
4	बस. गंधर्व, किसर, विद्याधरयांचा शास्त्र लक्षण आरि	गे शिल्पदृष्टीने मागोवा. लक्ष्मीकांत सोनवटकर	10
5	औंडा नागनाथ मंदिरांवरील बैष्णन शक्ती मूर्ती एक Dr. Lo	आढाना ondhe Sandeep Govindrao	18
6	पर्यटकांच्या अभ्यासातील खोपोलीचे विरेश्वर मंदिर	प्रा. नागोराव मधुकर तारू	20
2	सातवाहनकालीन कला स्थापत्याचा विकास	मिलिंद बाबूराव थोरात	25
8	कोणार्क सूर्य मंदिराचा ऐतिहासीक अभ्यास	प्रा. राजकुमार ज्ञानोबा चाटे	30
9	वराह अवतार प्रा. इ	ॉ. शिरीष शिवाजीराव अंबेकर	33
20	रायगड जिल्हयातील लेणी—एक ऐतिहासिक १ प्रा.	वारसा डॉ. अंकुश मारूती सोहनी	36
11	कोकणातील शिवप्रतिमा	डॉ.सुजाता सचिन कुळकर्णी	41
12	त्रिवेणी संगम, वेरूळ(सरिता मंदिर)	वर्षा जनार्दन चौधरी	47
13	पुणे जिल्ह्यातील भूमिज मंदिरे	डॉ. विजय सरडे	51
14	दक्षिण काशी हरिहरेश्वर मंदिर श्रीवर्धन	चित्ररेखा रवींद्रनाथ जाधव	57
15	राष्ट्रकृट कालीन कंधार येथील जैन मूर्ती	श्री विनायक दिलीप हिरे	60
36	मंदिर स्थापत्य वैशिष्ठ्ये प्रा.डॉ.हरी नारायण ज	तमाले ,दिपाली प्रकाश बाकळे	63
17	शिवलिंगे व त्याचे काही प्रकार कदम अमर	विलास , डॉ. लॉडे. एच .एम	65
18	शिलाहार घराण्याचे मंदिर स्थापत्य स	हा. प्रा. प्रश्विक अनिल सोनवणे	68
/19	सातूर जिल्ह्यातील दुर्लक्षित खरोसा लेणी	डॉ. व्यास सी.पी.	76 V
29	भरहृत येत्रील बौद्ध स्तूपाचा इतिहःस अणि वास्तुकल	ा डॉ. विवेकानंद लक्ष्मण चल्हाण	78
21	देरूळ लेण्यातील त्रिशीर्ष मुर्ती एक ऐतिहासीक अभ्या	स. प्रा.डॉ. राधाकृष्ण जोशी	87



# लातूर जिल्ह्यातील दुर्लक्षित खरोसा लेणी डॉ. व्यास सी.पी.

के के एम, महाविद्यालय,मानवत जि.परमणी , Email chetankumarvyas@gmail.com

बिनाशत साधनांना अनन्य साधारण असे महत्व असते. या साधनामध्ये भौतिक व लिखत साधनांचा करते. भीतिक साधनांन पैकी लेण्यांना सुध्दा अनन्य साधारण महत्व असते. कारण यांचा वापर हा विविध हिन्दाठी केलेला असतो. लेण्यांना गुहा, गुंका, शैलगृहे, शिलामंदिरे, प्रस्तरालये अशी अन्य नावेही आहेत. अस्य डॉगरकपारीत नैसर्गिकरीत्वा तथार झालेली असतात किंवा मानवाने डॉगर खोदून ती तयार केलेली क्यों ही संज्ञा सामान्यपणे मानविनिर्मित गुहांना वापरणी जाते. अश्मयुगीन मानवाचे वास्तव्य वऱ्याच वेळा पूर्व आलेल्या प्रस्तराच्या आडोशानेच होत असे. अशांपैकी काही निवडक गुहात्थानांमधल्या खडकाच्या बादमानवाने चित्रे खोदून आपल्या उत्कृष्ट चित्रकलेचे नमुने मागे ठेवलेले आहेत. प्रारंभीच्या करळात केलीही त्या त्या टॉगरांच्या पामण्याशी असून ती माधी, लहात व ओवडधोवड अशी होती.

बत्तराष्ट्रातील लातूर जिल्ह्यातील औसा जिल्ह्यातील 'खरोसा' एव गाव.हे गाव ऐतिहासिक दृष्ट्या कर्म राहिले आहे.प्राचीन लेणी समृहामुळे ते अभ्यासनीय ठरते.लातूर होऊन विदर आणाऱ्या राज्य कर्मवरील हे गाव निलंगा या तालुक्यापानून अवस्था 10 कि.गी. तर सातूरहूर साधारणता 40 ते 45 कि.मी कर्मवर्गने आहे या स्थळाच्या गुफांचा अभ्यास आरंभी फर्म्युसन व वर्जेंस यांनी केला.हे स्थळऐतिहासिक ठेवा

क्हें पहिता खरोसा येथील लोक ग्राम नामाचा रामायण काळाती संबंध सांगतात. खर-रूपणाच्या के खरोसा नावाची संगती लावली जाते तमेच खर या प्राण्यासारखा रंग व आकार असलेल्या डोंगराचा हा कि बहुते दोन बाजूंचे डोंगर पाहता (व गाद मध्यभागी) जनावराचे विशाल खूप पसरलेले वाटते. या संदर्भाला कि बहुते ग्राम नाम झाले असावे. असा तर्क करणे विसंगत ठरणार नाही.

या गावाचा संपूर्ण भाग गुहेच्या डॉगरावस्त पाहता येतो. गावात एक गडी असून ती गावाची शोभा जिल्लाच्या वरील सपाट व विशास भागावर गेले की दोन स्थळे मन वेधून घेतात एक रेणुका देवीचे मंदिर कि व दुसरे स्थळ दर्गा ही पीर पाशा गांचीआहे. इथून जवळच डाग बंगलाही आहे. येथे हिंदू धर्मीय, बाँद्ध धर्मीय कि क्यांच्या लेणीही आहेत. अर्थात हे धार्मिक दृष्ट्या विविध धर्मीचे संमेलन स्थळ ठरते.

बनी व बन्यासकबारवातील डोंगरात कोरलेल्या बाराशे लेणींपैकी जास्तीत-जास्त लेणी ह्या महाराष्ट्रात आहेत. लेणी
क्या मर्व भागांत आढळतात. जगाचे आकर्षण ठरलेल्या सर्वोत्कृष्ट वेरूळ अविंठा लेणी भराठवाड्याचेच कला
बहु नराठवाड्यातील लेण्यांकडे वळले तर पितळखोरा, निरूर, अंवाजोगाई, धाराशिव, औरंगाबाद, खरोसा
क्या बेबील गुफा/ लेणींचा उल्लेख करता येईल यापैकी खरोसा लेणे प्राचीन असूनही दुर्लक्षित राहिल्या आहेत.
बाजा डोंगरात कोरल्यामुळे त्या खरोसा लेणी म्हणून ओळखल्या जातात.प्रारंभी फर्म्युसन व वर्जेस यांनी
बची समूहाचा सर्विस्तर अभ्यास केला. विविध लोकांचा अभ्यास करणाऱ्या संशोधकांमध्येवॉल्टर स्पिक, शैला
क्या बामरीश तसेच डॉक्टर गुप्ते, डॉ पयी, डॉ मोरवंचीकर, डॉ भगवान देशमुख आर्टीचा उल्लेख करतात
बच्च्या लेखनातून या स्थळाविषयी माहिती दिलेली आहे.

च्यूर जिल्ह्यातील घरोता लेणीच्या निर्मिती काळाविषशी विविध उल्लेख मिळतात यात उस्मानाबाद च्यूर जिल्ह्यातील घरोता लेणीच्या निर्मिती काळाविषशी विविध उल्लेख मिळतात यात उस्मानाबाद च्यूर जिल्ह्यातील घरोता लेणीच्या निर्मिती काळाविषशी काहींच्या मते सहाव्या शतकाच्या ऐवजी सातवे- च्यून यांचा ग्रंथ ठरतो. खरोसा लेणीच्या निर्मिती विषयी काहींच्या मते सहाव्या शतकाच्या ऐवजी सातवे- च्यून व काही भाग बाराव्या-तेराव्या शतकाच्या पर्यंत हो अबू शकतो. बसेच काही नवीन अप्यासक हा काळ कर ब बतक सांगतात जवळपास बाराशे ते पंधराशे वर्षांपूर्वीचा हा प्राचीन ठेवा असून चालुक्य शैली, देवता इत्यादींचा प्रभाव प्रधान प्रहावयास मिळतो. या तेशीची निर्मिती बऱ्याच शतकांपर्यंत होत राहिली असून, चालुक्यांच्या काळाची ती

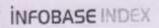


# THE CONTEXT

International, Peer Reviewed & Indexed Journal of English Studies

Vol. 10 Issue 1, January 2023

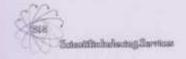
Chief Editor Wamankumar Wani







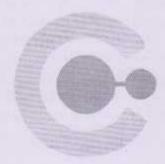














Modern English Research Alliance Parbhani 431 401. Maharashtra, India.

www.tnecontext.in









# THE CONTEXT

Quarterly e-journal of English Literary Studies

International, Indexed & Peer Reviewed / Refereed Journal

Publication details and instructions for authors:

This is an Open Access Journal\*

## Zadhipatti Theatre of Maharashtra and Mobile Theatre of Assam: A Comparative Perception

Dr. Durgesh Bhausaheb Ravande

Professor, Department of English, k.K. M. College, Manwath.

#### ABSTRACT

The research article with a comparative perspective attempts to unearth the mechanism of Zadipatti Theatre in the Eastern Vidarbha of Maharashtra and Mobile Theatre, in hilly districts of Assam which have become a symbol of social life and cultural richness in two different parts of the country for more than hundred years. These theatres have taken the form of people's movement on a larger scale and have become the symbols of the socio-cultural life of the respective regions. The researcher largely relied on the data collected through personal visits and also selective online literature to formulate arguments and illustrate the findings.

Keywords: Mobile, Performance, Theatre, Zadipatti

#### **FULL PAPER**

Indian theatre has secured global recognition as an ancient, experimental, folk-centric and progressive theatre. The relationship of general social elements, small economic groups as well as social groups outside the mainstream with this theatre has been interesting as well as effective at both the principle and experimental levels. The association of this theatre with the epics Ramayana and Mahabharata is a bond of Indianness irrespective of language, culture, religious and ethnic diversity that binds all Indians together and reinforce the identity of indigenous beings. The exploratory understanding of the diversity, artistry of Indian theatre is seen not only at the national level but also at the global level. Considering the nature of Indian theatre, this theatre is mainly divided into three types namely classical theatre, folk theatre and urban theatre. But ultimately, as the theatre scholar Jacob Samprikal argues that drama aims at interaction and analysis of social problems.

Similarly, the Indian theatre has developed with this central idea, even though there are different stages of its intrinsic development. On the other hand, Indian theatre has repeatedly proved that the type of theatre prevalent in a language or state cannot be confined to that state or linguistic region. Indian drama has often crossed the boundaries of language or region and influenced each other and there are many written evidences of this. For example, one can consider the far-reaching impact of the Ramlila and Raslila experiments that actually crossed the boundaries of language, region and culture. In this sense, there is no doubt that this basic feature of the development of Indian theatre across the time is noteworthy. Famous theatre scholar Kapila Vatsyayan says "Indian cultural phenomenon that a dramatic form identified with a particular region has often interesting links not only with genres and styles within the region, but also with those which have flourished outside that region" (Traditional Indian Theatre:109).

Since ancient times, plays have played a significant role in Indian social life. In course of time, the focus of Irdian theatre shifted from the kings and their palaces to the common people and the issues related to their survival. In other words, it was the period of emergence of folk-oriented, folk-centric theatre in India. Considering the contemporaries, theatres such as Zadhipatti in rural Maharashtra and mobile theatres in rural Assam have strengthened the common man's relationship with dramatic performances.

The famous dramatist Brecht through his 'Epic Theatre' gave some ideas of solving contemporary problems by thinking empirically. Direct participation of common people was considered important in it. Thus, Augusto Boal, the originator of the 'Theatre of the Oppressed', focuses on the necessity of action in drama. There are no ready-made answers to the problems of human life, but encouraging the

audience to find possible solutions or answers is the core of the performance through this theatre. Thus, the active participation of the audience becomes a prerequisite for Boal's theatre. It also ensures the participatory role of ordinary men and women in various aspects of performance. In this research article, a comparative study has been made on the basis of some facts of the Zadipatri Theatre and Assam Touring Theatre, which have become a symbol of social life and cultural richness in two different parts of the country, and which have taken the form of people's movement on a larger scale.

With a history of more than one hundred years, the area of influence of Zadiparti theatre has been the majority of villages, small towns in the four districts of East Vidarbha namely Gadchiroli, Bhandara, Chandrapur and Gondia and some other districts of Vidarbha. Zadipatti Rangbhumi is a theatre that has been built by thousands of farmers and non-farmer families on the strength of their direct participation, on the basis of pure love for theatre and has a glorious history of more than a hundred years. For the common people of this region, the theatre is a source of pleasure, recreation and more importantly it has become a means of livelihood. The centre place for the theatre agencies is Wadsa, Dist. Gadchiroli that connects most of the villages in these four districts.

There is no such an extensive, evolving theatre movement in the other regions of Maharashtra and with an exception like Mobile Theatres in Assam, in the country. The nature of this movement has remained the same as a theatre movement run by the people, for the people, Dr. Shyam Moharkar, a scholar of this theatre believes that this theatre emerged from the traditional folk dance of 'Dandar'. As the dance associated with the agricultural culture of 'Dandar' had a great influence on the folk culture of the region, the drama in general gradually became influenced by it. Dandar was eventually replaced by complete theatrical experiments. The first decade of the 20th century should be the time of emergence of this theatre. Vyenkaresh Natya Mandal, of Navargaon and Balaji Borkar's early theatrical experiments testifies the beginnings of Zadhipatti. It can be seen that this folk theatre has expanded through Lokashraya. The nature of experiments in the region changed rapidly. In the late 1990s, this theatre became more professional and expanded numerically also. At Wadya, District Gadehiroli, the offices of the theatre groups were set up and the profitoriented tendency started to grow. Although many new actors got an opportunity to act due to these groups but artistic values were greatly damaged.

On the other hand, it cannot be disregarded that Padmashree Dr. Parshuramji Khune. Dr. Shekhar Dongre, Sadanand Borkar, Kamlakar Borkar, Pradilad Meshram and many other artists have put lot of efforts to assure this theatre a position of reputation. This theatre has become a legend due to the unconditional love and continuous support of millions of fans who have ordinary financial status but extraordinary artistic vision and artistic sense. Overcoming all kinds of difficulties or

obstacles, this theatre has been flourishing with the participation of writers, artistes, technicians, producers, directors, other small groups and with the strength of the blessings of audience. Today's form of this theatre is a presence of more than a hundred troupes, thousands of artists, technicians and millions of spectators. In midst of many challenges, rapid changes, new techniques, changing tastes, emphasis on professionalism, widening ideological gap; the theatre stands strong only on the strength of unwavering support and positive response from the audience. There is no doubt that this relationship of audience with this theatre is an indication of the centuries-old progress of this theatre. On the other hand, let us see the nature of mobile theatres in Assum-

Assam is an important state of our country which is home to multi-ethnic, multi-cultural elements. Many ethnic groups exist in this state and they have contributed or are contributing significantly to the socio-cultural development of the region. From the perspective of theatre, mobile theatres in Assam have played an important role in public participation for the past few decades. Just as Zadhipatri Theatre has built a theatrical movement through the direct participation and contribution of the people, so too is the common people's urrequited love for the roots of this touring theatre.

Folk art, folk theatres have been entertaining and educating people for a long time not only in Assam but in various parts of the country. It can be said that the folk traditions of our country have become an effective means of bringing education and spirituality to the common people. Further, the Bhakti movement paved the way for the emergence of various folk-art forms in different parts of the country. We notice that the emergence of Ankia, a form of folk drama in Assam, probably occurred in the fourteenth century through Sri Sankardeva, Shankaradeva's play Rukmini Flarana was the most popular. He travelled to different areas with the troupe of this play. By this time. Assam became a haven for many ethnic, linguistic and cultural elements from within and outside India. The blend of Eastern Vaishnava and Vaishnava culture was passionately reflected in these theatrical performances. Linguistic affinities often give us an indication of the dynamics between different regions and arenas. Ankiya, a form of folk theatre, though a mixture of forms such as Ramlila. Buagwat Mela, Manipuri Dance is undoubtedly a form of theatre that is in tune with the original Assamese culture as well as unique and it has more cultural and social importance. Traveling from place to place by these Ankiya theatre troupes enabled the travel of ideas and became important in socio-cultural changes. The major plays Ram Vijaya, Rakmini Harana, Kalia Damana were presented through this medium. British colonialism orgatively affected the natural momentum of Ankiya Natya in various parts of Assam. In a later phase, the theatre culture of Assam is seen to have been influenced by western theatre and the popular folk theatre of Bengal i.e., Yatra. It is a form of drama performed mainly on festive occasions and especially on mythological subjects. Theatre Scholar Dr Jayanta Sarma mentions: "...the already existing various folk performance traditions in Assam and the events that lead to the transformation of the traditional theatre form into something as magnificent and intricate as the mobile theatre of Assam" (Theatre on Wheels:01). In this sense, it is an indisputable fact that traditional folk theatre is at the root of touring theatre.

Around 1930 AD, Assam began to develop its own form of moving theatre, or traveling rheatre, and later became the most popular, visible means of entertainment in Assam. Ina Ross notes that, "Theatre in Assam is not simply an art form but a complex and rich social event" ("The Mobile Theatre...":65). Considering the existing theatre in Assam as well as the popular theatres with which Zadiparti Theatre is directly or indirectly associated: it is found that Grassroots Theatre in Chikwaka, Drama Circle in Bangladesh, PETA in the Philippines, Traditional Ferformance in Palaistan and Street Theatre in Sri Lanka are known for their folk-onented performances and significant public response. It is a matter of fact that popular theatre has survived through oral tradition in various parts of the world.

Touring theatre in Assam should be credited for creating social consciousness. Till 2017, six thousand four hundred and eighty plays were written and performed for this theatre. In this sense it has become a mass movement which is working to creare public awareness on the social issues of the people of Assam. In this respect, the similarity of this theatre with Zadhiparti is found. Through the well-acclaimed play Suicide and some other dramas, Zadhipatti theatre has also tried to fulfil its social responsibility. Touring theatre of Assam has given special emphasis on presenting dramas mainly based on historical, mythological, social themes. Initially, small shows were organized with minimal equipment. But in the end, it turned out that it was not going to work so the first theatre house was built in 1963. Much credit goes to Shri Achyur Lahkar and Shri Ratan Lahkar brothers. The contribution made by these two through their Nataraj and Kohinoor theatres became important in the promising progress of this theatre in the future. Because the initiative taken by them from the point of view of building theatre houses was remarkable. The plays Jerengar, Sati, Baliya Ramdhenu, Andhkop, Bandisala registered unconditional love of the audience, As present there are more than one hundred and forty-five theatre companies in various parts of Assam. Tihu, Barpeta, Nalbari, Darang, Goalpera and Pathshala districts have most of these theatre groups. The theatre groups mainly include Hangul Thester, Himalaya Theater, Ashirbad Theater and Aahan Theater. To add further, Gram Panchayats and Gram Parishads share in the actual profit from the performance if the plays. This ratio is 60:40. Construction of schools, colleges, auditoriums, eligious places is done with the donations received from these theatre groups. Instalment plan is also offered in ticker booking. On this basis, it can be argued that beatre companies have a better knowledge of actual reality.

Considering Zadhipatti Theatre and Mobile Theatres of Assam from a comparative point of view, there are striking similarities in some respects and striking differences in various respects. The most important similarity is the large mass base enjoyed by both these theatres and due to this they have become popular movements. At the same time, the financial turnover through these two theatres is worth cores of rupees. Both these theatres have opened many business opportunities. Due to which the number of dependents on these theatres is very large. These theatres, operating in two different parts of the country, keep the authentic art of India alive. To some extent, the tendency of the young generation to watch and understand drama has been increasing. Also, these theatres have succeeded in curbing the growing urbanization to a small extent. The impact of the films on both the theatres is remarkably similar. The awareness of social issues that both have is particularly remarkable. Decreasing level of humour, fragmented entertainment are points of concern on both sides:

On the other hand, the traveling theatre of Assam is more organized than Zadipatri theatre. This theatre uses technology in a more sophisticated way. The novelry of the subject is found a little more in the theatre of Assam. This does not mean that Zadhipatri theatre lacks innovation but rather that innovation should be sought more vigorously. But Zadhipatri theatre bas a richer legacy. Looking ahead to sought more vigorously. But Zadhipatri theatre bas a richer legacy. Looking ahead to the future, Zadhipatri theatre looks more promising. But along with this, there are some important challenges in front of both these theatres. Such as 1) maintaining originality and acting skills in plays 2) bridging the growing gap between audience and theatre due to mobile culture 3) impact of covid-19 and 4) lack of government support.

Some important findings of the present research can be summarized as:

- 1) Both these theatres create a folk-centric culture.
- 2) Both theatres have become a major source of economy in the respective state.
- 3) Apart from these two theatres, very few theatre institutions are actually functioning in our country today-
- 4) There is a dire need for government assistance to keep both the theatres alive for the future.
- Innovative subjects, acting skills, acting lessons, modern technology should be given priority.

Theatre institutions in Assam as well as theatre institutions in Zadipatti are an integral part of unorganized economy. But there is an urgent need to transform them into an organized economy sector. Therefore, the persons who play a role in the actual functioning of these mobile theatres can get real financial benefits. Fork theatre

is a medium of entertainment, cultural dissemination and mass communication. Safeguarding the interest of artists and workers and especially women artists and traveling stage workers should be seriously considered. The unexpected shock of Covid-19 has raised some serious questions about the future of this theatre. But if the right policies are implemented, this art can definitely survive this disaster and future disasters also. Most importantly, theatre, not blood, flows through the veins of the people of these regions.

#### Works cited

- Ross, Ira. "The Mobile Theatre Movement in India: A Success Story in Assam" Cambridge University Press. N1Q, 33.1 February: 2017.
- Sarma, J. K. and Kalita K. K. Thestre on Wheels: A Brief History of Mobile Theatre in Assam, Blue Sparrow Books; Guwahati, 2020.
- Vatsyayan, Kapita, Traditional Indian Theatre: Multiple Streams, National Book Trust; New Delhi, 1980.

ts

<sup>\*</sup>Copyright permissions and liabilities are the sale responsibility of the author(s). Journal and all Editorial members are NOT responsible for any copyright infringement.



Double Blind Peer Review and Refereed National E Journal

VOLUME: 02 ISSUE: 03 {July - September 2022}

Website: www.shodhjournal.in Email: shodhjournal@gmail.com

ISSN:- 2583-1283

## MOBILE THEATRES IN ASSAM: HISTORY, CULTURE AND PRESENT

#### Dr.Durgesh Ravande

Deptt,of English,KKM College,Manwath,Dist Parbhani (Maharashtra)

distract

has been a cultural recognition of India. It has a glorious past in form of Classical Sanaskrit performances, real strategies to illuminate the generations of theatre lovers. The decadence of classical plays in course of time as way to folk performances in different parts of the country. There was a concrete bond in these performances though they were in heterogeneous languages and belonged to different regions. The basis was incidents, stories are great epics like Ramayana and Mahabharatha The reverence for these epics continued to flow in the veins of the stages to shape preforming culture of the nation.

Situations and a wider acceptance of masses to the folk presentations earlier through Ankiya-Nata and later through the Jatra performances were originated in neighbouring state West Bengal but captivated Assamese' minds in the Mobile or moving theatre, popularly known as Bhramyaman is a twentieth century phenomenon, mosts in Jatra. The towns like Pathshala, Nagaon in lower Assam have more than sixty mobile theatre which have been luring the artistic minds of the people from more than six decades. The present research meants to explore the historical development, culture and the present condition of this theatrical mass than the Covid-19 pandemic has certainly created a mountain of problems before these theatre groups but the suggestionable as it illustrates Assamese identity.

Amateur, Culture, Groups, Histroy, Performance

in form of Classical Sanskrit performances and also theatrical strategies to illuminate the generations of the magnum opus, that was written in earlier centuries, has been a codification of dramatic art

proneering theatre scholar, has rightly stated in it that "Theatrical spectacle is a total amalgam of all more ranging from the spoken word to vocal and instrumental music, gestures, mime, décor costumes and more states of being" (Vatsayan: 01). To substantiate: "Theatre is about representing a certain understanding of social life or reported or invented happenings between human beings" (02).

the country. The void created due to this decline was filled by folk performances, cultivated further



Double Blind Peer Review and Refereed National E Journal

VOLUME: 02 ISSUE: 03 {July - September 2022}

Website: www.shodhjeurnal.in Email: shodhjournal@gmail.com

ISSN:- 2583-1283

mass patronage, in diverse parts of the nation. Folk traditions and performances became instrumental to and seligious education and spiritual beliefs. On the other hand, Bhakti movement in different parts of the country the way for emergence of diverse folk forms in India.

The was a concrete bond in these performances even though they were in heterogeneous languages and belonged to regions. Kapila Vatsyayan puts it in apt words: "Indian cultural phenomenon that a dramatic form identified a particular region has often interesting links not only with genres and styles within the region, but also with such have flourished outside that region" (Vatsyayan:109).

the basis of these performances was incidents, stories from the great epics like Ramayana and Mahabharata. The for these epics continued to flow in the veirs of the Indians to shape preforming culture of the nation. To er, folk theatres at large unified the nation and elevated community based sentiments. The folk performances sed to attract the rural minds not because they were myth-based only but novelty in them instigated the from nook and cranny of the country. When any art arises from basic things of life; it leaves its permanent excivilization, It is much true in case of traditional folk theatre in India.

The present research paper sets following objectives to explore core aspects of a mass movement in Assam popularly Mobile Theatres.

The abborate the historical development of this roving theatre in Assam popularly known as Bhramayaman

To esse its role in establishing a rich theatre culture in Assam.

To emphasize the present condition of the theatre groups which have been pivotal for socio-cultural and esical transformations in lower parts of Assam

To state the challenges before the theatre groups more particularly in post covid scenario.

The explain how these unorganized theatre groups have contributed for artistic enhancement of Assam.

and and the facets behind actual growth of this theatre in course of time.

Hourbesis

The search is based on the hypothesis that the theatrical movements in Assam remained at the centre of performing Assam in general.



Double Blind Peer Review and Refereed National E Journal

VOLUME: 02 ISSUE: 03 (July - September 2022)

Website: www.shodhjournal.in Email: shodhjournal@gmail.com

ISSN:- 2583-1283

#### Methodology

methodology incorporated here is critical analysis of the available study sources.

#### ficance of the Study

will be helpful to apprehend the history and mechanism of almost hundred year old people -centric theatre has been crucial in artistic enhancement of Assam. It may captivate the researchers taking keen interest in theatre in general and popular theatre in particular.

#### members of the Study

The researcher has not concentrated here on specific theatre groups and actual play scripts.

#### Perspective and Cultural Inheritance

Hallett Carr defined 'History as a dialogue between the present and the past' whreas. Martin Luther King Jr.

was stated here are helpful in discerning the history of performance in Assam.

and of folk performances, as stated earlier, continued to entertain and educate the masses for a considerable and affirme not particularly in Assam but in different parts of the country. The folk traditions and performances medium or tool to spread religious education and spiritual beliefs. Adding further, Bhakti Movement in parts of the country paved the way for the emergence of different folk forms and kinds. Emergence of Ank a most probably in 14th century (Shri Sankardeva) remained a very powerful mode to substantiate Assumee Sankardeva's Rukmini Harana had been the most popular play. He travelled with the troop of this play in parts. In course of time Assam became a meeting ground of many racial, ethnic, linguistic and cultural from India and outside. Demarcation of Pre-Vaishnava and Vaishnava culture was keenly reflected in these The linguistic affinities often provided a clue to the mobility among different regions and Though a mixture of forms like Ramlila, Bhagvat Mela, Menipuri Dance is found yet Ankiya Nata is Assamese, coherent and unique having greater cultural and social significance. Traveling of these groups from one place to another made it possible to have a travel of ideas and become instrumental in changes. Rama Vijaya, Rukmini Harana, Kaliya Damara were among the major plays belonged to New In course time, British colonialism affected the natural speed of Ankiya Nata in different parts of Assam. phases, the influence of western theatres and Yatra, a popular folk form of Bengal left their mark on culture of Assam. The Yatra or Jatra troops performed mainly on festive occasions and more particularly on subjects. The participation of audience and involvement throughout went on evolving with Jatra



Double Blind Peer Review and Refereed National E Journal

VOLUME: 02 ISSUE: 03 (July September 2022)

Website: www.shodhjournal.in Email: shodhjournal@gmail.com

ISSN:- 2583-1283

Hence these performances channelized the culture of performance in the region. A parallel to mances like these is found in terms of Sonepur fair of Bihar. In both, involvement of masses remained an issue separation. Somewhere around 1930, Assam originated its own form of moving theatre as the state a fertile land for theatre and in course of time the roving or moving theatre became the most popular, visible accessible form of entertainment in Assam. Ina Ross puts on record that "Theatre in Assam is not simply an art a complex and rich social event"(Ross:65). It is a mode for community building and also a way to bring together. If we see the world over phenomenon of Popular Theatre, to which the present theatre in Assam se find that Grassroots Theatre in Chikwaka, Drama Circle in Bangladesh,PETA in Philipine ,Traditional nexues in Pakistan and Street Theatre in Sri Lanka are known for their people-centric performances and mass responses. The term "Popular Theatre is still associated with democratic, proletarian, and politically theatre"(Schechter,3). It is matter of fact that popular theatre survived through oral transmission in parts of the world. As a matter of fact, it believed largely in least preaching and full amusement.

as defined is 'the sum of total of the learned behaviour of a group of people that are generally considered to massition of that people and are transmitted from generation to generation 'and also 'lt is a collective of the mind that distinguishes the members of one group or category of people from another".

been a multi-ethnic, multi-cultural society. Finnic groups are existed and they have contributed for sociodesclopment of the region. Interaction and interrogation have become a cultural necessity here. Mobile Assam should be credited for creating a social consciousness. To put on record, till 2017, Six Thousand and Eighty plays were written and performed. It has become a mass movement that can voice the social seeple of Assam. The plays are being watched to reinforce social or political consciousness.

and doubt that the mobile theatre of Assam is a treasure house in terms of cultural arena. It is clear that and community action can be found possible only through the performative forms like Mobile Theatre. For and region for all there is something in it. The theatre type is popularly known as Bhyrmoman, the and by Radha Govind Barua. The theatre has become a collective consciousness and a responsive system.

"Texas" contribution to drama literature (manuscripts), plays (staged), music, songs (lyrics), dance, dancedependent of technical craft, light and sound for stage, has been immense. As history connotes Kohinoor commercial theatre was established in Pathshala, a town in lower Assam and it became medium to and political ideology. This journey was later continued with Nataraj Theatre of Mr. Achyut Lahakar, the mobile theatre of Assam that began in 1963 continued non-stop till 2003 for long forty years. In these many mobile theatres were born and perished, but the role played by Nataraj Theatre in the history of of Assam stands out in a class apart. In this way, Mr. Achyat Lahkar, started a new era in Assam. The Lahkar motivated many others to walk this path of theatrical association for a guaranteed income



Double Blind Peer Review and Refereed National E Journal

VOLUME: 02 ISSUE: 03 {July - September 2022}

Website: www.shodhjournal.in Email: shodhjournal@gmail.com

ISSN:- 2583-1283

broughout eight months of a year. His theatre group implemented effect -oriented staging strategy to convey social bessages. The response of the audience remained live and participatory.

the actual working of Natra: Theatre and many other theatres in Assam has been very interesting. A crew of one bundred and fifty members travel all the way from Assam in six trucks and has the record of setting a dual stage measuring sixty feet in five hours. The audience and performers found a thin line between them as the pioneers of the crowd direct or indirect involvement of masses in actual performances. It catered to make instincts of the crowd, like, i) need for contention, ii) partisanship, iii) credulity, and iv) vulnerability to metional contagion. The great dramatists usually think of the crowd on all essential questions. The great playwright than Shakespeare tried to think from the common man's position. He understood people and so, he could write and make plays for them.

#### Present Scenario

most of the theatre groups are located are Tihu Barpeta, Nalbari, Darang, Goalpara and Parhishala. Public most stages have been prepared and the plays are presented on such stages. The subjects of the plays performed are social issues, family dramas, Bollywood material, dramatization of classical novels and also political events.

system for actual performance that has been usually followed is a show of any play is being booked through the mittee. It has a good communication with owners of theatre groups. The committees, village panchayt and village and have their share in actual profit. It is 60:40 in proportion. Construction of schools, colleges, halls and religious takes place with the help of donation received from these theatre groups. In ticket booking instalment plan is being offered. On the basis of this, it can be argued that the theatre companies have an intimate knowledge of reality. There is proper and intense knowledge of regional reality with their theatre groups also. One of the treasons behind tremendous success for this theatre is their overall understanding.

entrepreneur. In the beginning, smaller shows with least equipment were organized but in the end it was found won't work hence theatre house was built for the first time in 1963. Life time pension for the artists was also one unit required at least one hundred and fifty employees. The plays like Jerenger. Sati, Boliya Ramdhenu, p. Bandisaal, Manikut, Amrapali, Nilakantha, Vishkumbha, Amrit, Jarambhumi, Deenabandhu, Pratibimba, Mobile Theatre is primarily a commercial cultural enterprise and love of the audience. It is a matter of fact Mobile Theatre is primarily a commercial cultural enterprise and therefore they have always been trying to be hunger of entertainment. The travelling theatre groups across the state continue for more than nine months.

In the beginning, smaller shows with least equipment were organized but in the end it was found to be unit required but in the end it



Double Blind Peer Review and Refereed National E Journal

VOLUME: 02 ISSUE: 03 (July - September 2022)

Website: www.shodhjournal.in Email: shodhjournal@gmail.com ISSN:- 2583-1283

amateur artistes who are farm workers, small business men or women are the actual proprietors of this It should be kept in mind that profit and business have always remained secondary considerations for these groups. Financial risk on different grounds has always been taken. The rehearsal period for most of the theatre assually between June -August and the actual shows run up to mid-April i.e. till Assaamese new year .The and Show Money is very interesting. It is amount paid for the first show. In 1963 it was almost one thousand Except Lahakar brothers' theatre group the other theatre groups like Hengool Theatre, Himalaya Theatre, Star Theatre, Ashirbaad Theatre, Baroichila Theatre, Kamrupa Theatre, Nandini Theatre, Abahan Theatre, Bodo Theatres have contributed to sustain theatre culture in the state. Stating here a loud appreciation of audience mention of 2007-08, Mr.Ashutosh Mukhopadhyay's creation which was presented, scripted by Bhattacharya as Sundari Sanyasini is essential. In 2009-10, a very successful play staged by Abahan which, though not directly based on any novelist or writers 'work, was, Bhul Nubujiba Bhupenda, based on Tyrics and music of the internationally acclaimed Assamese music maestro, Bhupen Hazarika. A mention Prithibir Prem is essential because it is the only Mobile Theatre play that won national award. Dharmi gass the credit of introducing a new technique to this popular theatre form in Assam which is widely known as recession stage. To add further, Abla Berman is the first ever woman-centric mobile theatre which was in the year 1977. To precise, The Mobile Theatres in Assam have become socio-political narrative of the the significantly contributed for socio-political history of Assam. It has been the history of more than six seewing a concern all the way. It was transformation of traditional theatre into mobile theatre. But the confronted oday are not negligible. Most of the Mobile Theatres today face challenges like i) Maintaining = plays and acting skills. ii) Growing distance between the real audience and theatre houses. iii) Covid-19 Lacking Govt support.

findings of the present research are as below:

Assam generates mass-oriented culture.

has been a source of economy for more than two thousand families in different parts of Assam

sery few theatre groups as such in our country at present except Zadipatti Theatre in Maharashtra.

conditions are quite challenging to keep this performing culture flourishing.

theatre practices are an integral part of ancient performing culture of the nation.

agent need of government assistance to make survival of these practices possible.



Double Blind Peer Review and Refereed National E Journal

VOLUME: 02 ISSUE: 03 [July - September 2022]

Website: www.shodhjournal.in Email: shodhjournal@gmail.com

ISSN:- 2583-1283

#### Conclusion

The theatres in Assam today are altogether an integral part of unorganized economy. But there is an urgent need to transform them into an organized economy sector therefore economic welfare of the individuals playing their role in actual working of these mobile theatres may be possible. In the present condition, TV and Cinema stars demand a handsome amount. They are paid huge amount because there presence assures a huge response of the audience. The Mobile Theatre has been a medium of entertainment cultural propagation and mass communication. It epitomizes performing culture of the country hence policy initiatives be taken by the government agencies to make survival of this theatre possible. It should not be forgotten that it is responsible in propagating socially relevant messages at large but cheap and vulgar entertainment be discarded from the performances. Safeguard to the interests of artists and workers and specially women artists and workers of mobile theatre be taken into serious consideration. An unexpected stroke in form of Covid-19 has put some serious questions on future of these performing agencies but implementation of proper policies may rescue the art from this disaster.

Not only government but non-government agencies and other individuals should always keep in mind that the role of these theatres has been effective in sustaining economy of Assam. The industry generates employment to the thousands of artists and non-artists. As a matter of its social contribution, the funds for constructing schools, colleges, temples and masjids have always been generated. Actually, Assamese culture is a melting pot of different ethnic identities. In course of time or through a historical voyage, theatre became an identity of Assam. It can be concluded on a positive note that mobile theatre in Assam confronts a good number of serious issues but it will survive till the Assaamese will survive.

#### References

Ross, Ina. "The Mobile Theatre Movement in India: A Success Story in Assam" Cambridge University Press, NTQ, 33:1 February: 2017.

Schechter, Joel. (Ed.) (2003). Popular Theatre: A Source Book.Routledge:London.Vatsayan,Kapila. (1980). Traditinal Indian Theatre: Multiple Streams.Naticanl Book Trust: New Delhi.







An International Refereed / Peer Reviewed e- Journal of English Language, Literature and Criticism (Vol.-III, Issue-2, September 2022)

Editor - in - Chief

Dr. Sudhir Mathpati

(M.A.,B.Ed.,M.Phil.,NET.,Ph.D)

Executive Editor

Dr. Yashwant Handibag

(M.A., NET., Ph.D)

ISSN- 2395-7522

# An International Refereed / Peer Reviewed e-Journal of English Language, Literature & Criticism



Vol.- III, Issue- 2, September 2022

(www.literarycognizance.com)

	CONTENTS				
Sr. No	Title and Author				
1	Cover Page				
H	Content	===			
01	Applying D. Williams' Temporal Model of Ostracism to the Select Dalit Autobiographies: A Critical Study - Dr. Kailas Marati Pote	03			
02	The Story of Struggle, Suffering and Subjugation of South-Asian Immigrants in the U. K.: An Exploration of Hanif Kureishi's Buddha of Suburbia - Rahul Kumar				
0.3	Quest for Identity in the Global Culture: A Study - Dr. Rameshwar Eshwar Solunke				
04	Chakma Folktales: A Study of the Subalterns - Flaviamariya Sunil & Christy Sheelan P.				
0.5	The African American Challenge of Being a Black Woman: A Study of Alice Walker's The Colour Purple - Riya Saha	24			
96	Ruskin Bond's Short Stories: A Thematic Study - Dr. Tanaji Pawar				
07	Identifying the Queer: Cultural Stigma and Sexual Freedom in Shyam Selvadurai's The Hungry Ghosts - S. Sathiya Gnanambigai				
08	T. S. Eliot's The West Land, Vyasa's Mahabharata and the Voices of Bhagwat Gita: A Comparative Study - Mr. Trishan Deb				
09	Sex, Exploitation and Marginalisation in Tendulkar's Ghashiram Kotwal - Dr. Abdul Anges Abdul Rasheed				
10	National Education Policy 2020: Towards a Holistic and Multidisciplinary Education - Dr. Govind Digambar Kokane				
11	Progression to Higher Education of Scheduled Caste Women: A Case Study - Dr. Durgesh Ravande				
12	OTT and Indian Theatre: Challenges and Opportunities - Dr. Vishvadhar Deshmukh				
13	Baby Kamble's The Prison We Broke: A Vivid Depiction of her Community - Dr. Milind Mane				
14	Conflict and Crisis in Kamala Markandaya's Nectur in a Sieve - R. Nancy				
	Poems				
01	My Solitude - Soumen Roy	03			

ISSN- 2395-7522 - Online

#### An International Refereed / Peer Reviewed e - Journal of English Language, Literature & Criticism Vol.- III, Issue- 2, September 2022



#### PROGRESSION TO HIGHER EDUCATION OF SCHEDULED CASTE WOMEN: A CASE STUDY

Dr. Durgesh Rayande Associate Professor Department of English KKM College, Manwath, Dist. Parbhani MS India

#### Abstract:

The research paper ettempts a field based study to unearth the progression to higher education of scheduled caste women in nearby villages of Manwath, Dist. Parbhani (Maharastra) such as Hattiaiwadi, Sawali, Sawargaon, Ambegaon, and Bondar wadi. It is a preliminary attempt to elaborate the reasons behind this timid progression of girls from this community to higher education and illustrate possibilities to hike the progression. As it is a purely field based work; the method of research is relied on data collection and its analysis.

Keywords: Caste Education, Marriage Progression, Security, etc.

The purpose of education, as Dr. B. R. Ambedkar has considered 'It is to socialize and moralize people." The educational society can formulate morality as its essence. Dalit society in India even they are in seventeen percent of whole population, could obtain the right of education a bit later and even afterwards the condition of Dalit women remained pathetic for some decades. Mainly the politicallegal concept 'scheduled caste' is actually sociological in nature. It indicates a group of people or community which has been constantly experiencing deprivation in terms of educational, economic and social conditions. The educational stature or the percentage of women belong to SC community is worse than percentage men. The GFR for women in 2009-20 is 27.3 % as compared to 26.9% for men. Dr. Saidapur observes that "Scheduled caste women in India are targeted for violence and discrimination not just because of their gender but also on the basis of their caste, community, religious affiliation and other factors. The social deprivation of scheduled caste women revealed that these women had to shoulder as a burden, the women belonging to this segment had to bear the brum as they became victims of double discrimination- as part of caste inequity on the one hand and as part of gender inequity on the other." (Saidapur, 2102). The scheduled caste women obtained school education but higher education remained beyond their reach for few more decades. Priyadarshani observes in her book Scheduled Caste Women and Higher Education that "Higher education in India today is in a unique state, it has to face the challenge to maintain a fair balance between the indirect demand for better quality and direct demand for expansion in enrolment" (Badiger, 02). Even today the percentage of women in higher education is not much satisfactory in comparison with men from their community andwomen from other communities. Maharashtra, one of the progressive states in the country, has still educationally backward regions like Mararthwada and Vidhrabba. The present study Illustrates the condition of higher education of scheduled castewomen in the villages such as Hattalwadi, Sawali, Sawargaon, Ambegaon, and Bondarwadi of Parbhani district, Maharashtra. These villages indicate moderate signs of social, educational, economic and cultural development of the scheduled caste residing in respective villages for considerably long period of time. The girls or women from the community obtain moderate chances of progression through education. As per the National Health Survey (2009-2021), 23.3% women married before 18 of their age. It shows prohibition of Child Marriage Act 2006. The act is not much effective in preventing child marriages more particularly

ISSN- 2395-7522 - Online

# An International Refereed / Peer Reviewed e - Journal of English Language, Literature & Criticism

Vol.- III. Issue- 2. September 2022



among poor castes and communities in our country. The act is often used against the girls who elope and marry against will of their parents. According to social activists working in different parts of the country, mentality of parents can play a vital role in changing the present scenario. Such marriages need to be stopped for betterment of girls. The girls should be encouraged to acquire higher education and strengthen their life.

Research Methodology:

The researcher is mainly relied on short interviews of village heads, some men and women from the community and data from *Grampanchavat* (Village Council) as primary and secondary sources respectively.

Research Objective:

The researcher with the help of data collected from authentic sources strives to state small percentage of progression to higher education of scheduled easte women even in last five years. The actual reasons behind this condition and solutions are also suggested.

The data collected from the village Hattalwadi, a tiny village in East of Manwath shows that only seven girls could complete their degree education in last five years. Surprisingly the village is just on three kilometres' distance from the town. Manwath. It is a considerably lesser than the percentage of boys and also general percentage of degree education from the village. The researcher interacted with a few villagers from the scheduled caste community to unveil the reasons behind such a small number of progressions. There was no uniformity in their responses. But at large their reluctance in promoting girls to higher education was found. They were seen interested in educating their boys but not girls. The data and interaction with a few individuals from Bondardai, a nearby village, repeat the same story or it is even worse than earlier as no girl from scheduled caste or community was progressed to higher education in last five years. The population of the village is 3500 among it nearly 600 scheduled caste with thirty to thirty five houses. Girls are taught or allowed to complete their education only up to 12th standard. Most of the parents found concerned for security of their girls.

On the other hand, the researcher learnt that only three scheduled easte girls from the village Sawli found themselves in the stream of higher education in last five years of total eight hundred population of scheduled easte in the village. There was no wider difference in the reasons as most of the villagers reiterated the same causes. They responded that there is no benefit in premoting girls for higher education as they have to get married soon. Mostly marriage of girls is being considered as the greatest responsibility. It can be added also that education up to 12<sup>th</sup> standard is sufficient for them. The village Ambegaon has the same story to convey as only one girl could reach at the pedestal of degree education in last five years. Whereas out of twenty five graduated girls in last five years from Sawargaon only one girl from this community could make her mark. The women belong to this marginalized community was found interested in educating their girls but they have little say in family decisions. Like girls from upper class communities they desire to see their own girls completing higher education and having their source of livelihood. As they realize very well that education only can lift them pathetic conditions of life.

The pathetic, disappointing figures of scheduled caste women in relation with the subject of the study denote the reasons such as early marriages, poor economic condition of parents, negligence towards the education of girls, lack of transport facility and also no assurance of security of girls if they are sent to degree college.

More than seventy years of independence demand for a secured, independent future of women is perceived. But as a matter of fact, this path of security and independence passes through education. Unified and directed efforts from various segments of the society may help to change this situation.

ISSN- 2395-7522 - Online

# An International Refereed / Peer Reviewed e - Journal of English Language, Literature & Criticism Vol.- III, Issue- 2, September 2022



The solutions to the problem are found basically in taking initiatives from different stake holders of the society. Without their approach of coming together to tackle the situation there seems least possibility in changing the situation. The college teachers should constantly be in touch with the parents of these girls to encourage them for higher education. It is not the only solution but can be a better choice in this regard. The other government agencies like police should produce or create a sease of assurance in the minds of these parents so that they will be ready to send their girls to college without any fear. Even though the age of marriage of girls is increased in recent years but there is no serious consideration or actual implementation of it at ground level. The parents are in harry to get their daughters marry as soon as they complete their secondary education.

Transport facility is also one of the crucial issues. Proper facility has to be provided to the students. The transport authority should show its social concern in this regard. A nation cannot progress when the women or girls lag behind in getting equal opportunities. Education to girls and more particularly higher education is an opportunity to stand equal. If some serious efforts are taken to

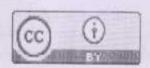
resolve the issue; certainly the present scenario can be changed.

To conclude, the study of the research problem is primary in nature. It is a sincere attempt to comprehend the problem through direct or actual interaction with the people belonged to scheduled caste community in select nearby villages of Manwath. Multiple dimensions to the problem cannot be defined. But at large, a serious consideration of the issue is required.

#### References

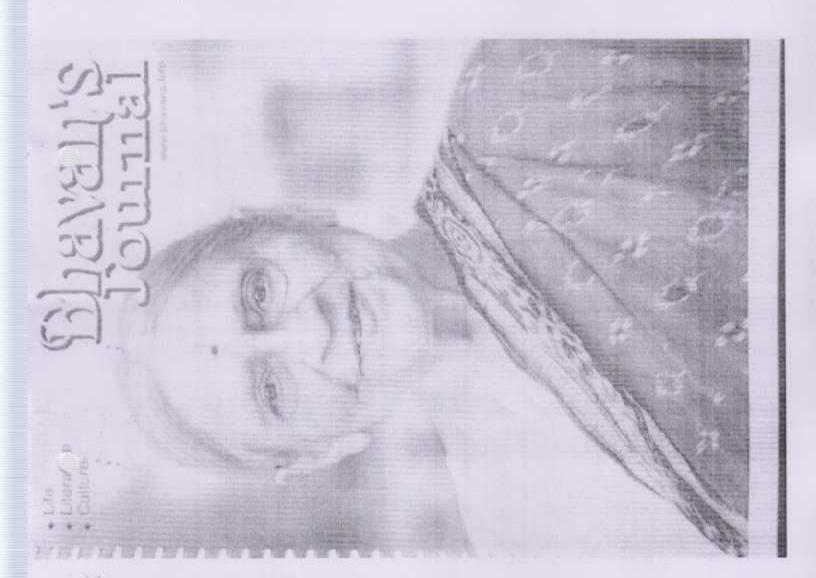
 Badiger, P. Indira Priyadarshani. Scheduled Caste Women and Fligher Education: A Sociological Study. Laxmi Book Publication, Pune. 2015. Princ.

 Sardapur, S. "Status of Scheduled Caste Women in Higher Education of Karnataka: Micro Analysis" Parishedh Journal, VollX, Issuell, Feb.2020, Print.



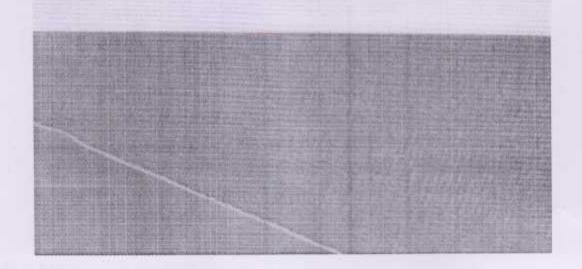
This is an Open Access e-Journal Published Under A Creative Commons Attribution 4.0 International License

To Cite the Article: Ravande, Durgesh, "Progression to Higher Education of Scheduled Caste Women: A Case Study". Literary Cognizance, III-2 (September, 2022); 55-57. Web.



#### Bhavan's Vol. 69 No. 10 Journal Contents Sage Speak · Contents · Flashback Kulapativani ◆ Editorial Faith—the Key to Success Political Self-Government 13 -M. K. Gandhi Ela Bhatt: Devoted to SEWA -- Vatsala Pisharody · The Voice of Jesus First Thoughts in the Morning -Swarm Sudarshananarida Nobel Prize for Work on Ancient Cousins - Dr. A. P. Javaraman A Unique Mosque -Dinesh Nayak 37 Swami Vivekananda on Freedom -Dr. Durgesh Ravande 41 Soundscape -Dr. J. V. Yakhmi ◆ Landlord's Guide to Eviction 44 - Dr. Swati Jindal Garg

Brawin a Journal, 31 December, 2022 . 4



# Swami Vivekananda on Freedom

Dr. Durgesh Ravande

Sardminant position in the world for his mesmerising spicitual leadership, his revolutionarythmking and concern

The message of universal brutherhood which was an integral part of his spectual and meral teaching establishes him as a visionary as well as a preacher of indian ideology. The message to West and also in his

speather a 19th century Incian philosopher, he introduced tridlan deat to the world and godged thy development of induce ethes with



Indental Scotor, 17.2(sender 28/2 \*



IMPACT FACTOR - 5.61

# LangLit

# An International Peer-Reviewed Open Access Journal



#### PERFORMANCE STRATEGY IN MAHASWETA DEVI'S MOTHER OF 1084 AND BAYEN

DURGESH RAVANDE

Associate Professor .
Department of English,
K.K.M.College, Manwath.

#### ABSTRACT:

Mahasweta Devi's theatre is an unfinished one as it believes in presenting the real life of subalterns. The objective behind the acticle is to unearth performance strategy adopted by Mahasweta Devi in the plays Mother of 1084 and Bayen. The researcher also aims at showing her association with oppressed theatre which is keen in demonstrating the issues of off-stream communities through modest means of performance. The researcher is largely relied on the original texts, secondary sources and virtual sources available. The research article is pivotal as the performance strategies in the plays of Mahasweta Devi are rarely discussed.

Key-words: Device, Oppressed Prop,Stage Theatre.

Popularly known for her association with tribal communities in different parts of the country, Mahasweta Devi (1926-2016) occupies a revered position for her life-oriented literary engagements. Her literary contribution substantiates the spirit of her work for which she devoted her entire life. In her occurre, there is depiction of brutal oppression of tribal people and the untouchables by potent, authoritarian upper caste landlords, lenders and government officials showing its relation with an ageold history of domination. Even though she contributed substantially as a novel and short story writer; she purposely chose theare because she found it the most suitable medium to tackle the issues of deprived people. The theatre of Mahasweta Dev is particularly for oppressed finds its genesis in Augusto Boal's 'Theatre of the Oppressed' Boal has suggested that "...the theatre of the bourgeoisie is a finished theatre in which images of a complete and perfect world are presented. But since the oppressed classes do not know what their world would be like their theatre is unfinished-so their theatre is a rehearsal for revolution" (Srampikal: 28). Similarly, Mahasweta Devi's theatre is an unfinished one as it believes in presenting the real life of subalterns. The objective behind the article is to unearth performance strategy adopted by Mahasweta Devi in the plays Mother of 1084 and Bayer. The researcher also aims at showing her association with oppressed theatre which is keen in demonstrating the issues of off-stream communities through modest means of performance. The researcher is largely relied on the original texts, secondary sources and virtual sources available. The research article is pivotal as the performance strategies in the plays of Mahasweta Devi are rarely discussed. The stage strategies are often crucial to glimpse the ideas in the plays of Mahasweta Devi. She maintains stage economy throughout her presentation. Though scanty stage prop but enough to undermine the difference between her intention and coarse of presentation.

The play Mother of 1084 enacts a day in the protagonist, Sujata Chatterjee's life. It is exactly after two years of her son's death. She sets out to discover the causes behind Brati's death. Her ignorance is predicament of mothers who know little what their sons do outside the home The play has a firm dramatic structure with a beginning, middle and an end. It is one of the prominent plays of Mahasweta Devi where the structural standard is maintained to elaborate a comprehensive meaning. The playwright goes on making certain shifts from present to past and vice—versa to develop subject of her play. The play begins with the news of Brati's death, in this way, the play begins from middle which continues till forth scene in the play. The scene member fifth, sexth and seventh interact Brati's mission and his death in a mob attack. The stage of Mahasweta Devi is remarkable for simple but

Vol. 9 Issue 1 Website: www.langlit.org 160

August, 2022 Contact No : +91-9890290602

# LangLit

# An International Peer-Reviewed Open Access Journal



meaningful devices. Talking about her stage, E. Satyanarayana comments: "The stage is free of superfluous theatrical properties that gives the playwright great freedom to present different situations more by suggestion than by scenic displays without taxing more the belief of the audience (2000;32)".

As Mahasweta Devi incorporates moderate prop on the stage, the use of lights therefore becomes significant. The shift from earlier to later scene is shown with the help of partial stage darkening. It is cleverly done to the end of forth scene in the play. We shift now from present to past incident and hear a dialogue between Sujata and Brati. There is just a modest use of lights that assists for a repeated transformation. It is repeated to the end of seventh scene as the eighth scene opens with a conversation between Sujata and Somu's mother.

The use of tape recorder as a stage device becomes one of the dominant aspects of the play. The instrument is crucial for the expression of soliloquy. Sqiata's voice on the tape itself is a kind of soliloquy. It goes thus "I went to Somu's mother in the afternoon. One can now visit the colony. There's no disturbance any more, no terror, no sirens, no gunshots, no screaming young men - no! (Pause). It was the second time I visited Somu's mother (Pause). I didn't know Brati well enough, Somu's mother knew him better"(9). The audience is allowed here to realize Sujata's inward feelings. The most significant use of tape recorder takes place just before Sujata's address to men and women gathered for the party. All the way, the technicality of Mother of 1084 suggests Mahasweta Devi's credence in simple, common devices that explain a wider, crucial meaning and can explore the mind of her characters. The proponent of 'Epic Theatre', Bertolt Brecht preludes the new theatre that insists involvement of the audience in actual performance. Here audience has not a mute presence but desired to remain active through out the performance. It urges breaking the fourth wall. Likewise, Mahasweta Devi's theatre expects active presence of the audience.

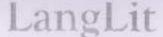
The play Mother of 1084 surprisingly resembles the use of 'Stream of Consciousness' technique in the novels. In its novel form, there is a clear-cut inclination for it whereas in drama form, it is done with a skilful use of tape - recorder. The instrument thus becomes modus operandi as Sujata determines her next action in accordance to earlier. The particular day (day of action) from dawn to night has contrasting actions. These actions are communicated through tape recorder. All the way, the stage device is poignant to determine Sujata's mind-set. The transformations undertake throughout. How her perceptions went or changing, her realizations and also confessions are also reflected through her movements.

The technical standard of *Mother of 1084* relies largely on the way she exhibits the modest prop on her stage. Her stage is not convertional or decorative. The performing place just separated from the place where the audience is expected to sit together for watching the play. As a playwright, she believes in conveying the message than decorating or glorifying the stage. She also maintains a balance between past as present events.

The other play, Bayen is a paradigm of Mahasweta Devi's theatrical economy. In Bayea, Mahasweta Devi implements a clever technique as a part of her theatrical economy. The shift becomes possible with the help of simple gestures. The gestures are quite significant in Brechtian and Boal theatre. In Augusto Boal's Theatre of the Oppressed particularly, the performance reaches to pinnacle with an appropriate or meaningful gesture of the characters. The gestures serve the determined purpose of the actor without any decorative, sublime or expensive prop. Badal Sirear, the proponent of 'The Third Theatre' modelled most of his plays on the similar performance tricks that helped to propagate the subaltern issues in a simple but effective way. The play Mother of 1084 centres around a bourgeois woman whereas Bayen demonstrates predicament of a tribal woman. But in both the plays experience as a woman is not different Mahasweta Devi emphasizes the issues related to the plight of underdogs with the help of simple dramatic techniques. The stage strategy of Mahasweta Devi demonstrates her attitude 'performing more with least prop'. She aspires to propagate a boarder meaning with the help of limited and inexpensive stage devices in both the plays

Vol. 9 Issue 1 Website: www.langlit.org August, 2022

Contact No.: +91-9890290602



# An International Peer-Reviewed Open Access Journal



for present study is authenticated with a spatial essence. The plays of Mahasweta Devi are generally enacted by the tribal people. Therefore, the simple stage devices help immensely to these off-stream people for an effective and accurate performance. Apart from this, Mahasweta Devi ooks at the theatre as the most effective medium to reach people with an indomitable concern to explore social reality. Malinder, husband of Chandi, goes twelve year back by rearranging his bair and dhoti. With the help of effective gestures, he narrates the incident before his son:

Hey, king, you have things to give to all those who never cared for you when you were in misery.

Leave you food then, Leave you clothes. What have you for me? Eh?

We are Gangaputtas. What are you going to give to our clan? .. What you have for us?

For my community?

The Brahamins, the sadhus, the sanvasi get cattle, land and gold, and we get all the cremation grounds of the world.

All the cremetion grounds of the world for us, for us, for us, for us only (78-79),

Malinder narrates the events in such a way that it becomes a live action. The gestures, in this way, are implemented here to present a past incident effectively. Malinder also parrates his romance with Chandi and their marriage, following it. Mahasweta Devi uses a tribal song here with a grace.

Drunk with colour. Our bodies too are drunk. The heart's too full of colour. Let the colour spill over the body Let the colour flow all over (80)"

Her stage strategy goes hand-n-hand with her subject. Mahasweta Devi in both of her plays elaborates the subject and makes an effective presentation with the help of her stage strategy. With simple, ordinary devices, she creates a magnificent impression. The performance strategies in these two plays of Mahasweta Devi signify that playwrights should use weman's body to explore the diverse aspects related to woman's socio-cultural construction. Their social, cultural construction, experience as a woman can be more effective when body doesn't remain just body but performing device. As Helen Cixous has rightly stated: " women must write through their bodies, they must invent the impregnable language that will wreck partitions, classes and rhetoric, regulations and codes, they must submerge, cut through, get beyond the ultimate reserve discourse, including the one that laugh at the very idea of prorouncing the word stence. (1976:879)". The use of woman's body on the stage containing her gestures, movements and language certainly show woman' ability to convey a wide range of experiences related to self and subjectivity. Besides, the specific innovative stage devices in these plays illustrate woman playwrights' excellence in offering something new, significant for the development of Indian English Drama. Though the article restricts to the study of Manasweta Devi's two plays but her performance strategy can be glimpsed well. The theatre of Mahasweta Devi is unconventional, and least known. It is unorganized to some extent and also approfessional. The only intention behind the entire practice is let the deprived classes get well aware of their issues and should be united to relieve pains in their lives. The researcher would like to conclude his argument on the basis of following findings.

- 1) Mahasweta Devi as a playwright believes more in effective deliverance of the message than making it decorative or unnecessarily difficult.
- 2) Her theatre should be appreciated for theatrical economy.
- The language of her plays is simple and suggestive.
- 4) Being a playwright she suggests that for performance of a play intensity of the subject, its deliverance is more importan, than anything else.

Vol. 9 Issue I Website: www.langlit.org

August, 2022 Contact No.: +91-9890290602

# LangLit

# An International Peer-Reviewed Open Access Journal



5) The western schools of theatres like 'The Theatre of the Oppressed' and 'The Epic Theatre' have left an impression on Mahasweta Devi's theatre.

#### REFERENCES:

- Cixous, Helen (1976). "The Laugh of the Medusa." Signs. The University of Chicago Press, 1.4. (Summer), pp. 875-893.
- 2) Devi, Mahasweta, (1997), Five Plays, Trans. Samik Bandyopachyay. Seagall Books: Calcutta.
- 3) Satyanarayan, E. (2000). The Plays of Mahasweta Devi, Prestige: New Delhi.
- Srampickal, Jacob (1994), Voice to the Voiceless: The Power of People's Theatre in India Hurst and Company: London.

#### Bio-note:

Dr. Durgesh Bhausaheb Ravande has been working as an associate professor in the Department of English. K.K.M.College, Manwath. He has published more than 30 research articles in peer reviewed UGC-listed/referred journals and edited books. He is being awarded with Best Teacher Award-2021 by SRTM University, Nanded. His book on Indian Women's Theatre has been published by Atlantic Publishers and Distributors, New Della, It is included in Sage's Journal of Commonwealth Literature editorial note- 2016. His one more book is in the process of publication. One minor research project on a theatre agency associated with Zadipata, a peripheral Theatre in Maharashira is completed. He has been working on one more research project to explore socio-cultural dimensions of this peripheral theatre. He has organized two webinars on theatre related topics and has completed two spells of Associate (June 2019 &May 2022) at IIAS. Shimla, One researcher has been awarded doctorate under his supervision and four researchers have been working under his guidance. Traditional Indian Theatre, Indian Philosophers and Women's Theatre have been the areas of his interest.

Vol. 9 Issue 1 Website: www.langlit.org 163

August, 2022

Contact No.: +91-9890290602



## INTERNATIONAL JOURNAL OF SCIENTIFIC DEVELOPMENT AND RESEARCH

International Peer Reviewed & Refereed Journals, Open Access Journal

ISSN Approved Journal No. 2455-2631 | Impact factor: 8.15 | ESTD Year: 2816

Scholarly open access journals, Peer-reviewed, and Refereed Journals, Impact factor 8.15 (Calculate by google scholar and Semantic Scholar | Al-Powered Research Tool). Multidiociplinary, Monthly, Indexing in all major database & Metadata, Citation Generator, Digital Object Identifier(DOI)

#### Call For Paper

#### Published Paper Details

Issue: February 2023 Volume 8 | Issue 2 Impact factor: 8.15 Click Here For more into

Paper Title:

Heterocyclic compounds for the sustainability and existence of human life

Mr.Mane S.Y., Dr.Huge K.G. Authors Name:

Unique Id:

USDR2302071

Published in:

Volume 8 Issue 2, February-2023

Abstract. Hotercoycle are the important precursor of various natural products as well as synthetic drug and hence they acquired significant position in the life of almost all living organisms. In this research paper we are trying to highlights the importance of heterocyclic compounds in the life of living organisms with special reference of human life. Some naturally occurring and some synthetic haterocyclic compounds are

discussed in this study.

P. Lation Guidelines Publication Charges

Keywords

Abstract:

Keywords Heterocycles Biomolecules Sustainability existence, living organisms

Pay Publication Charges

Cite Article:

"Heterocyclic compounds for the sustainability and existence of human life" International Journal of Science & Engineering Development Research (www.jadcorg) ISSN 2465-2631, Vol.8 Issue 2, page no.476 - 431, February-2023

Available

Hardcopy and DiCh

Track Paren

Downloads

Sample Paper Formal

Published Paper ITI- 119/0R2302071 Registration ID:203965

Copyright Form

Undertaking Form

Publication Dotals:

Published In: Volume 8 Issue 2, February-2023

DOI (Digital Object Identifier):

Pace No: 426 - 431

Publisher USDR | www.ijsdr.org ISSN Number: 2455-2631

Past Issue

Research Area

Chris Here to Download This

leng Links for House

Article Preview

Editoria Board

Engineering

Pharmacy

Science All

Commerce

Science & Technology

Join As A Reviewer

advantages of Reviewer

(SIN: 2455-2631

Petrony 2023 USBR volume & name I

#### Heterocyclic compounds for the sustainability, and existence of human life

15th Solids V. Mierr, 1th W. G. Hoge

nor not their or Department of the many & & Management of the American States and the American States and Stat

Abstract. Determine an the important preparate of surface entroid products as well as sufficing and hency they arguined against a well as sufficient and the interpretation of the process pages on an extend to highly the importance of their expects, compromise in the file of being organisms with special reference of fluorisms (in the materials accurring and sum a) without neutron compresses are discovered in this case).

her more Mesonericles, Biomolecules, Sectionality, process, Using organism

PURIODICTION:

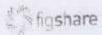
[Epistrocycle, compound as organic cycle commands which means as hast use of the nature assum (Natingen, Origin) bulgher bulber that carbon and byteringen arous. The presents of O. Nand S atoms to the horizonche common the press specific descriptions is to entered a nature of the content of the section of the property of the nature of the section of the nature of the bulber of approximate a natural of between the compound of the section of the natural of the natural section of the natural of the natural of the natural section of the natural of the natural of the natural section of the natural of the natural of the natural section of the natural of the natural section of the natural of the natural of the natural section of the natural of the natur



CHEKHERE

For Conterence Prposal





Providing A digital object identifier by 2011 How to GFT DOLL and Hard Copy Related

CHARLES CONTRACT TO THE

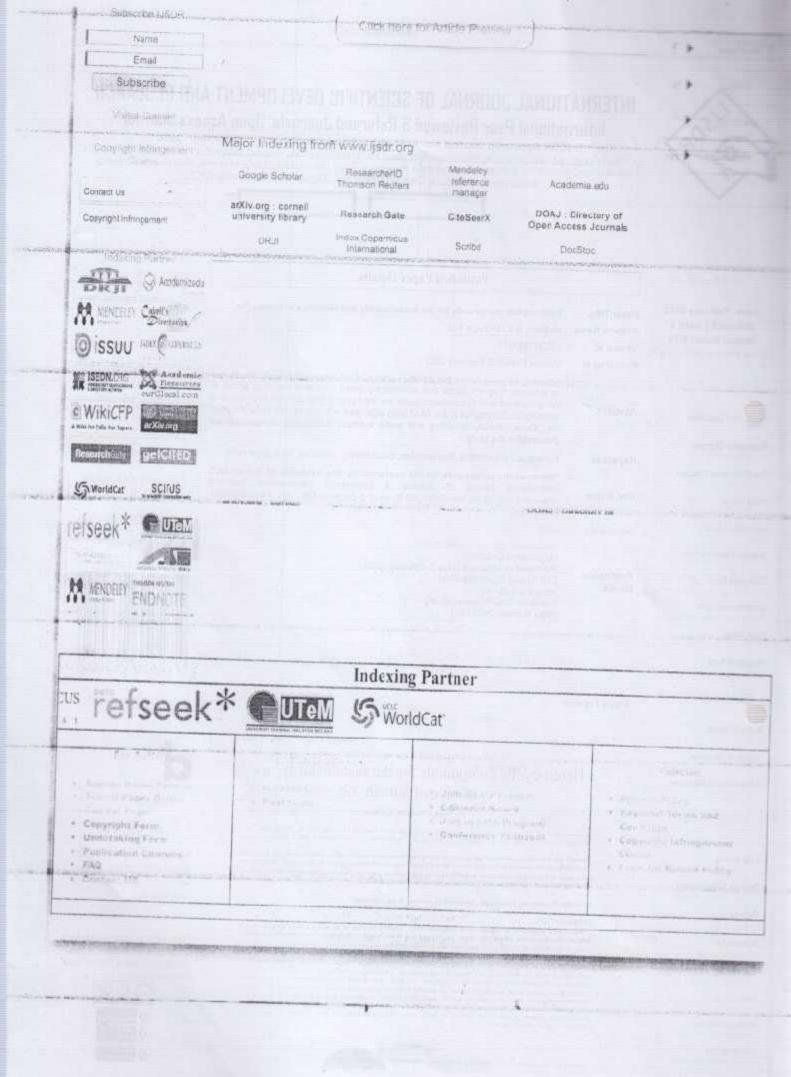
This work is licensed under a Creative Commons Attribution-NonCommercial 4.3 International License



Arts

Medical Sciumo

Life Sciences



# Heterocyclic compounds for the sustainability, and existence of human life

Mr. Satish Y. Mane, Dr K.G. Huge

Assistant Professor, Department of chemistry Shivneri mahavidyalays Shirur Anantpal, Dist-Latur, 413544. Maharashira, India. <sup>2</sup>Assistant Professor and Head of the Department of Chemistry K.K.M. Mahavidyalaya Manuar Dist-Parbhani Maharashtra India

Abstract: Heterocycle are the important precursor of various natural products as well as syntactic drug and hence they acquired significant position in the life of almost all living organisms. In this research paper we are trying to highlights the importance of heterocyclic compounds in the life of living organisms with special reference of human life. Some naturally occurring and some synthetic heterocyclic compounds are discussed in this study.

Keywords: Heterocycles, Biomolecules, Sustainibility, existence, living organisms

[1]Heterocyclic compounds are organic cyclic compounds which contain at least one of the betero atoms (Nitroger, Oxygen, S her) other than carbon and hydrogen atoms. The presence of O, N and S atoms in the heterocyclic compounds gives specific characteristics to interact, a variety of interactions like hydrogen bonding, van der walls interactions, and metal Co-ordination bonds and hence they show wide biological activity. Heterocyclic compounds are abundantly in nature. The body of organism contains a number of heterocyclic compounds and biochemical reactions regulated by various heterocyclic compounds and plays important role in the metabolic process of almost all living organisms. A heterocyclic compound plays a vital role in the physical chemical and biological development of fiving organisms. The body of plants and arimals is composed of biomolecules (carbohydrates, nucleic acids, proteins, fais) which are essential for life and also contain heterocyclic compounds. The structural composition of genetic materials contains beterocyclic bases DNA and RNA are chemical bases of heredity and variation. They carry genetic information from one generation to another to maintaining the identity of different species of organism for a long period of over millions of years. DNA molecule is capable of self durhiention during cell division. Hence the same genetic character is expressed in next generations.

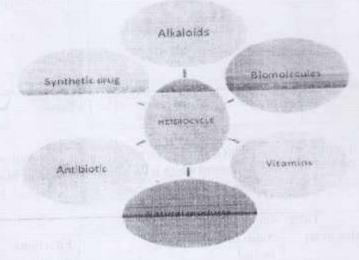


Figure 1: Presence of heterocyclic in various products.

[2] For the sustainability and development of organism including human being on earth it is essential to survive in life. During the life cycle of organism i.e. plants and animals it is need to defend itself against various discuses including infectious, deficiency, herecity and physiological diseases, causes by various pathogens like viral, bacterial, fungal infections or by internal dysfunction. To prevent, treat and cure from the disease it is need to develop medicinal drugs and heterocyclic compounds are the main source of synthetic crug, [3]according to various statistics, about 85 percent of all biologically active chemical compounds contains a heterocycles. [4]In the other word overall almost all synthetic heterocyclic compounds shows somewhat biological activity like antivital antibac erial ant fringal etc.

#### A) Naturally Occurring Heterocycles;

[5]Carbohycrate, nucleic soids, proteins, and fats are known as biomotecuses because they are building block of budy of almost all living organism. They contains heterocycles discussed below.

#### Carbohydrates:

Carbohydrates are the organic molecules which contains sugar, starch and libers

Fructose: Fructose contains Furan analogous α-D-(-) Fructofuranose, β-D(Fructofuranose).
 Nucleic Acid

Nucleic acids is a complex organic substance present in living cells, especially DNA & RNA whose molecules consist of many nucleosides and nucleotides.

DNA molecule having Oxygen containing heterocycle known as Pentose Sugar and four bases Adenine, Guanine, Cytosine and Thymine is Nitrogen containing Heterocycles.

RNA also contains four bases Adenine, Guanine, Cytosine and Uracil Nitrogen containing heterocycle

Names of Bases	Structure of heterocyclic Bases	Structure of Descyribo- nucleoside	Structure of Deoxyrlbo-nacleotide
Adenine	NH Z	10 No.	HO PO ON NAME OF THE PARTY OF T
Guanine	N NH NH2	OH OH	HO JO JOHN
Cytosine	NH <sub>2</sub>	0+ NP7	OH NH,
hymine	H <sub>3</sub> C NH	HICT NH HICT NH HIO	HC-P-O-D-O-D-O-D-O-D-O-D-O-D-O-D-O-D-O-D-O

#### Natural Amino acids:

[6] Amino acids are the organic compounds which contains amine and carboxvi as main functional groups. Proteins derived from amino acids hence amino acids are the building block of proteins which is very important building block of the body. Protein plays a vital role in the growth and maintenance and development of body. The amino acid. Tryptophan, Fishione and Proline are the heterocyclic compounds.

Table: Amino acids containing Helerocycles.

Chemical Structure of Amino acids Name of amino acids Functions Proline it plays an important role in cell wall synthesis and plant development, it contribute to the pathogenesis of various diseases caused by various organism Lryptophan Tryp ophan helps the synthesis of melatonin and serotonin which sleep-wake OH cycle. neurotransmitter respectively.

NHo

Antibiotic	Ciprofloxaci		17779 2 7 2
	n	F OH	[11] In the infection of respiratory, irinary track, pneumonia, sinusitis, diahrrheicskir, i yes, abdominal cavilies, bones, prostatis, anthrax etc
		HN	
Antimalarial	Chloroquine		[12]it is antimalarial drug,used to preventand treat malaria.
	function (	CI CIN	THE RESERVE OF THE PARTY OF THE
Antibacterial	Beta-lactum	R H H S	[13]It is used as antibictic against bacterial infections
		ОН	
Anti- inflamatory	Rantidine		[14]Use to treatment of peptic ulcer,gastroesophageal,reflux disease and zollinger-Ellison syndrome, also used for acid reflux treatment.
Fungicide	Benomyl	O TO NH NH	[15]Control many plant disease
ungicide	Propiconazol e a Triazole	H CI N N	[16]Used in agriculture as a fungicide on turf grasses grown for seed and aesthetic value of food grains.
antiviral Compound	Fialuridine	HO ON NH	[17]Used ir disease hepatitis-B
ntidepressa drug	Iproniazid	IN H	[18]Used to treat tuberculosis
		N. J. H.	

Sadative agent	Trimetoz ne		[19]Muscle relaxant, therapeutically used in the treatment of anxiety.
Antimalarial Agent	Quirine	HO	[20]Quinine alkaloid was firstly used to treat malaria in sixteenth century

#### CONCLUSION:

F m above discussion it may be conclude that the heterocyclic compounds plays an important role in the life of organism from the origin of life to the surveillances, sustainability and development of living organism including human being. Heterocyclic compounds also exist naturally as well as synthetically in human life and it is inseparable part of life. A number of species of plants and animals is extinct on the earth from its origin because they cannot defend itself against the infectious diseases like antiviral, antibacterial, antifungal, and non-infectious hereditary diseases but human exist because human continuously developitself by researching various medicine to treat epidemic disease and heterocycle plays vital role in the research and development of drug to treat and cure diseases.

#### REFERENCES:

A. Al-Mulla, "A Review: Biological Importance of Heterocyclic Compounds," 2017.

"A review on biological and medicinal impact of heterocyclic compounds | Elsevier Enhanced Reader." https://reader.elsevier.com/reader/sd/pii/\$221f715622003253?token=AC45FBB684F8A22CA5A0F4CA606AD-1CF95BF 3E31EEA0575CB7B3F49E8B0F49B08FE5A3C878C2B6F82A3E756973AED91&originRegion=eu-west-1&originCreation=20230207090245 (accessed Feb. 07, 2023).

Guorie medicinal drug compounds 10 heterocyclic https://www.google.com/search?q=percentage+of+heterocyclic+compounds+in+medicinal+drug&oq=percentage+of+heter ocyclic+compounds+in+medicinal+drug&aqs-chrome 69i57j33i160i2.35625j0j7&sourceid=chrome&ic-UTF-8 (accessed

4. H. I. Soni and T. Desai, "Synthesis and Antimicrobial Activity of Some Novel Heterocyclic Compounds," vol. 3, no. 6, 2012, NCERT Books for Class 12 Chemistry PDF Download - NCERT Books " https://www.ncertbooks.guru.ncert-nooks-class-12-chemistry/ (accessed Feb. 06, 2023).

Available: [Online]. 2023. 07 Feb Accessed: 01, 2023. Feb. Wikipedia. "Amino acid." https://en.wikipedia.org/w/index.php?title=Amino\_acid&oldid=1136927357

https://www.alfa.com/en/organic-chemistry-blog/heterocycles-the-chemical-compounds-that-know-no-"Alfa Aesar." bounds/ (accessed Feb. 07, 2023).

do what and they. What are 8. "Vitamins: https://www.medicalnewstoday.com/articles/195878#\_noHeaderPrefixedContent (accessed Feb. 07, 2023).

9. G. Mohammadi Ziarani, Z. Kheilkordi, and F. Mohajer, "Recent advances in the application of acetophenone in heterocyclic compounds synthesis," Journal of the Iranian Chemical Society, vol. 17, no. 2, pp. 247-282, 2020.

Available: 2023. [Online]. Feb. 07. Accessed: 30: 2023. Jan Wikipedia 10. "Isoniazid." https://en.wikipedia.org/w/index.php?tule=Isomizid&oldid=1136535087

WebMD." Side Effects, Interactions, Pictures, Warnings Dosing 11. "Ciprofloxacin Uses, https://www.webmd.com/drugs/2/drug-7748/ciprofloxacin-oral/details (accessed Feb. 07, 2023).

12. "Chloroquine Oral: Uses, Side Effects, Interactions, Pictures, Warnings & WebMD. Dosing https://www.webmd.com/drugs/2/drug-8633/chloroquine-oral details (accessed Feb. 07, 2023).

13. "Beta-lactam antibiotics," Wikipedia Jan 16, 2023. Accessed: Feb. 07, 2023. [Online] Available https://en.wikipedia.org/w/index.php?title=Beta-lactam\_antibiotics&oldid=1133944447

[Onime] Accessed: 2023. 25, Jan. 14. "Ranitidine," Wikipedia. https://en.wikipedia.org/w/index.php?tatic=Rannidine&oklid=1135534914 [Online].

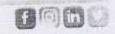
2023. Accessed 2022 Wikipedia. Sep. 15: "Benomyl," https://en.wikspedia.org/w/index.php?title=Benomyl&oldid=1108116897

17. 1. of M. (US) C. to R. the F. (FIAU/FIAC) C. Trials, F. J. Manning, and M. Swartz, Hepatitis B and Other Viral Diseases Academies Press (US). Accessed: Feb. 07, 2023. 1995 [Online] Available https://www.ncbi.n.m.nih.gov/books/NBK232079

18. "Iproniazid - an overview | ScienceDirect Topics." https://www.sciencedirect.com/topics.neuroscience.iproniazid (accessed

19. "Trimetozine," Wikipedia. Dec. 2022. Accessed: Feb. 07. 2023. [Online]. Available: https://en.wikipedia.org/w/index.php?title=Trimetozine&oldid=1130039589

20. "quin ne Google https://www.google.com/search?q=quinine&er=tifiY5LMFPvhjuMPiZ2EiAI&ved=OuhUKEwiS\_9fTmYP9AhX7sGMGHY Search." kOASEQ4dUDCA8&usct=5&oq=quinine&gs\_lcp=Cgxnd3Mtd2l6LXNlcnAQAzIICAAQgAQQsQMyCAgAFIAEFLED MgUIABCABDIFCAAQgAQyCwgAEIAFFI EDEIMBMggILhCABBCxAziICAAQgAQQsQMyBQgAEIAEMgUIABC ABDIFCAAQgAQ6CAgAELEDEJECOg4ILhCxAxDHARDRAxCRAjeRCC4QgAQQsQMQgwEQxwEQ0QM6CAguEL EDEIAFOgUIABCRAJOLCC 4QgAQQSQMQgwL6DgguEMcBELFDENFDLJECOg4ILFC ABBCxAxDHARDRAzoLCC 40gAQQxwEQQQM6CAguELEDEJECSgQJQRgASgQIRhgAUJoQWIUeYKkinAFwAHgAgAHAAogB5wySAQcwLJlu NC4xmAEAoAEBsAEAwAEB&sclient=gws-wiz-serp (accessed Feb. 07, 2023).

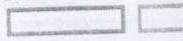




# INTERNATIONAL JOURNAL OF SCIENTIFIC DEVELOPMENT AND RESEARCH

## International Peer Reviewed & Refereed Journals, Open Access Journal

ISSN Approved Journal No: 2455-2631 | Impact factor: 8.15 | ESTD Year 2016 Scholarly open access journals, Peer-reviewed, and Referend Journals. Impact factor 8.15 (Calculate by google scholar and Semantic Scholar [Al-Powered Research Tool). Mutidisciplinary, Monthly. Indexing in all major datebase & Metadata. Citation Generator Digital Object Identifier(DOI)

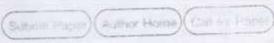


Name Carried to 1 August Salata & Ramous Grand 1 Assessed Asses Carried Law or Salata Asses

Chill For Paner

Issue: February 2023 Volume 8 | Issue 2 Impact factor, B.15 Click Here Formers Total

For Submit Manuscript relies



Funilization Guidelines

Publication Charges

Pay Publication Charges

rack Paper

Hardcopy and DOI

Sample Paper Formut

Copyright Form

Undertaking Form

Past Issue

Research Area

ISSDR is Scholarly open access journals, Petr-reviewed, and Referred Journals, High Import faultri 8.15 (Calculate by gaogle scholar and Semantic Scholar | Al-Powered Research Tool), Multidisciplinary, Monthly, Indexing in all major database & Metadate Chaton Generator, Digital Object (contifier(DSI) with Open Access Protections.

The International Stamps of Specific Development and Resident a minimum sens to explore acvances in research perfaming to applied. Theoretical and experimencal Technological sources. The goal is to promote scientific information electrolings between researchers, developed, engineers, students, and practitioners working is and around the world. USDR will provide an opportunity for practitioners and educators of engineering ties to exchange research encourse mustels of ties. practice and innovative idnas-

Indexing in Google Scholar SSRN ResearcheriD-Publions, Somentic Scholar I Al-Powered Rosesurth Tool, Microsoft Academic Academicado, Microsoft Tool CileSec X Researchert3 Thomson Rouars Mundeley reference manager D. Sto. ISSUID Scribt land many more

For Conference Proosal





#### USDR Important for Current issue

Editorial Board

Join As A Reviewer

Advantages of Reviewer

Paper Submission Open For

February 2023

Volume 8 | Hesse 2 Current Issue

Land to any for paper

Notification of Review

Within 1-2 Days when submitting gaper.

Within 1-2 Days after Submitting documents.

Publication of Paper

ISSN International

Standard Seral Number

2455-2631

Frequency

Journal Type:

Monthly [12 Issue Annually)

International Peer reviewed Referred Journals, and Oper Access Journal

Subject Category:

HSDR ISSN 2455-2631

INTERNATIONAL JOURNAL OF SCIENCE & ENGINEERING DEVELOPMENT RESEARCH

www.ijsdr.crg

udshare

Providing Adigital digital How to GET DOLLARD Han Copy Related

This work is licensed under a Creative Commons Attribution-NonCongretten. 4.0 International





Science & Technology

Phamacy Science All

Enghaering

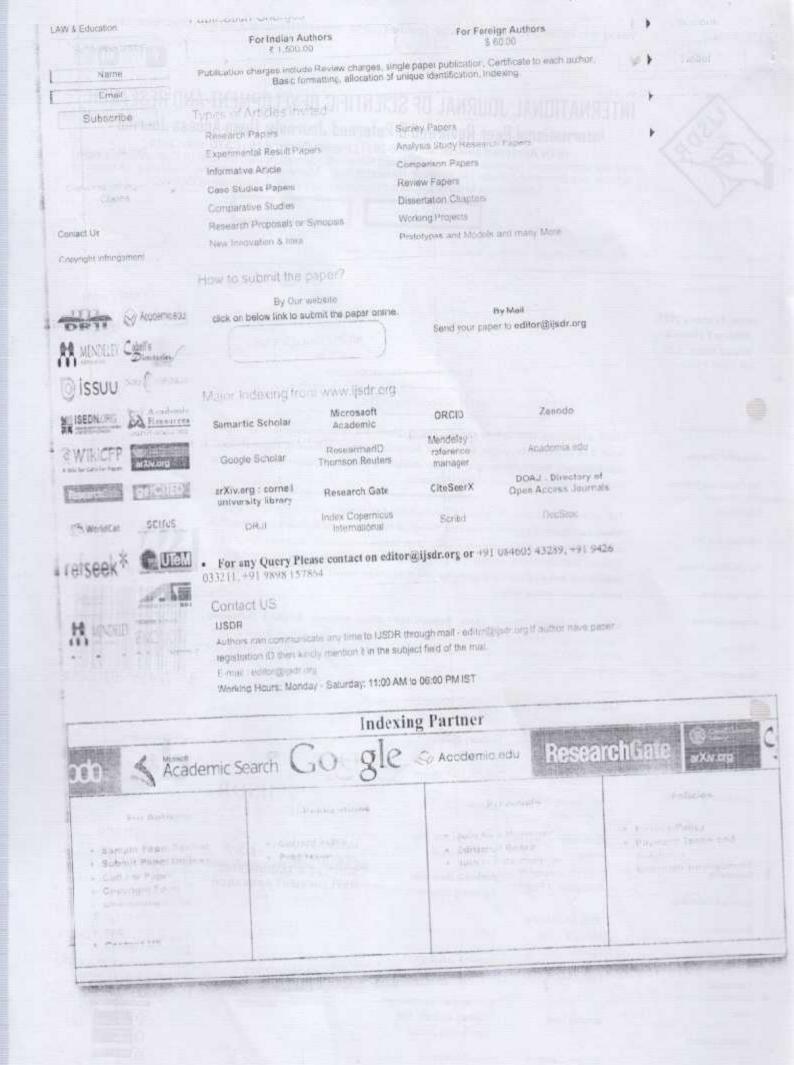
Commerce

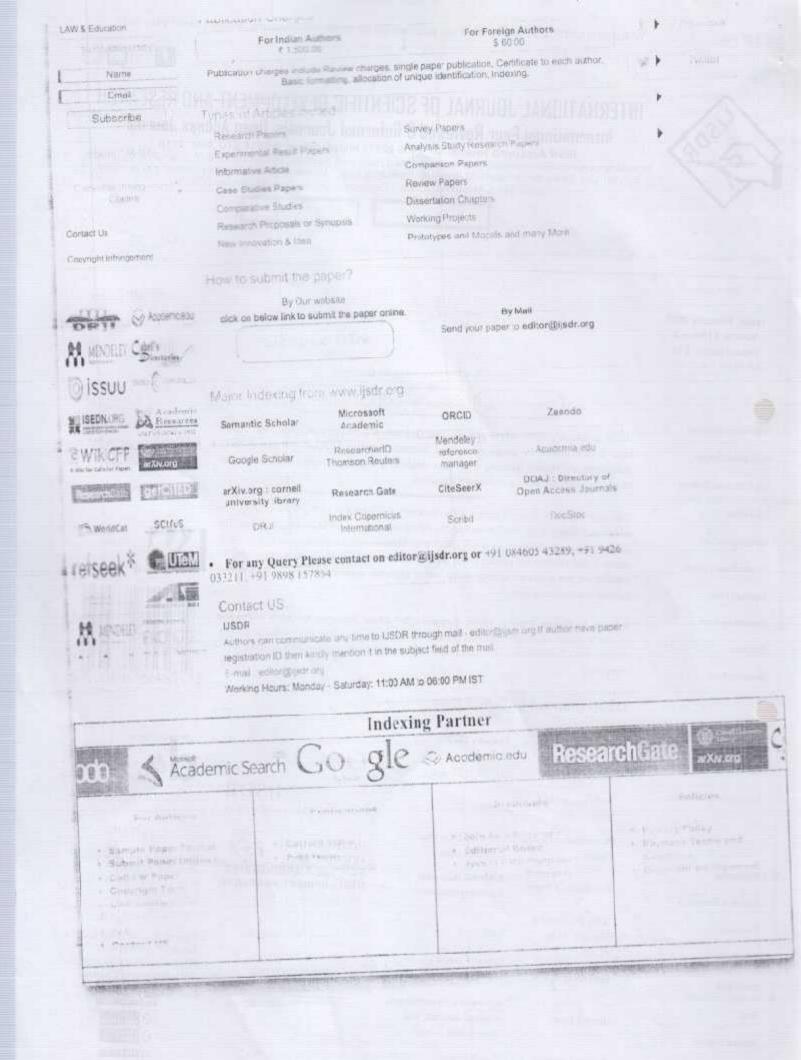
Arts

Medical Science

I dis Sciennes

Rencarch Area







### JETHRORG ISSN: 2349-5162 | ESTD Year : 2014 | Monthly Issue JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH (JETIR)

An International Scholarly Open Access, Peer-reviewed, Refereed Journal

### "Study the effect of addition of some selected solute on the surface tension of solvent and measurement of the surface tension of carbonated beverages"

Mr. Satish Y. Mane, Dr K.G.Huge

Assistant Professor, Department of chemistry Shivneri mahavidy alaya Shirur Anantpal, Dist-Latur, 413544. Maharashtra,

Assistant Professor and Head of the Department of Chemistry K.K.M.Mahavidyalaya,Manvat,Dist-Parbhani Maharashtra India.

#### Abstract:

This workincluded an experiment for compared to state of office of additional and additional additional and additional experimental technique. In this experiment we used the Trade's subsequently instruct to measure thesis face tensional sample For the preparation of solution water was used asserted Same contract to the preparation of solution water was used asserted some contract to the preparation of solution water was used asserted some contract to the preparation of solution water was used asserted some contract to the preparation of solution water was used asserted some contract to the preparation of solution water was used asserted some contract to the preparation of solution water was used asserted solution. stalagmometer and surface tension of each solution was recovered by the solution was

Keywords: Surfacetension, Concentration, Solute, Solvent, Solvent,

### Introduction:

[1]Surface tension is an important physical property of figures: a december of figures and phenomenon like rate of evaporation of liquid, interaction of liquid with the liquid and liquid plays important role in pharmaceutical and biomedical application to develop new officers and the second s physical process is takes place in presence of various liquids which place in the presence of various liquids which place in the presence of various liquids which place in the presence of various liquids which place is the presence of various liquids which physical properties of those particular liquids to check feasibles and some one and the second secon centimeter acting on the surface at right angle. The surface tension is the liquid is made to be presented as of attraction like hydrogen bonding, London London force, induced dealers and attraction at the second seco liquids appears concave shape and shape of water drops becomes spherical in the second of the second liquids because temperature affect on intermolecular bonding present in liquid by comments and the comments of scientist W Ramsay and J Shields gave the equation | Y(Mp) 13 = h (L-44) | how are the second like the second temperature.

[4] According the review of literature the surface tension of liquid is after by the addition of small amount of salar fibrature. changes the surface tension of liquid is known as surfactant and the percent decrease or increase of surface tension is a second surface tension in a second surface tension is a second surface tension in the second surface tension in the second surface tension is a second surface tension in the second surface tension in the second surface tension is a second surface tension in the second surface tension in the second surface tension is a second surface tension in the second surface tension in the second surface tension is a second surface tension in the second surface tension in the second surface tension is a second surface tension in the second surface tension in the second surface tension is a second surface tension in the second surface tension in the second surface tension is a second surface tension in the second surface tension concentration of surfactants, Sodium carbonate is selected in present study because it having important applications and applications of surfactants. industrial processes Similiarly sedium chloride also plays in the biological and physicochemical reactions as body of organisms.[5]Sucrose also plays an important role in biochemical reactions and important for physical health of human beautiful and human beautiful an it is important to know the physical properties of sucrose and effect of percentage of sugar in water [6] According to the the surface tension of water is increases by addition of sucrose.

Materials: All the chemicals is easily available in any laboratory of chemistry, chemical used for experiment was already available in our college laboratory

Experiment was done in four phases.

Phase I: In first phase the densities of some selected beverages was measured. To measure the densities of each liquids specific gravity bottle of 25 ml was used.

Phase II: In second phase the densities of pure water and prepared solutions of different concentrations was measured at room temperature.

Phase III: In third phase the number of drops formed by each beverage was counted, as the liquid travel from upper meniscus marking to lower meniscus marking on stallagmometer at room temperature.

Phase IV: In fourth phase the number of drops formed by each solution of different concentrations was counted as the liquid travel from upper meniscus marking to lower meniscus marking on stalagmometer at room temperature.

#### Calculations:

Calculation of density of liquids by using the general formula.

Density (p) = Mass (n) / Wolume (v)

The algorithm was done by using the equation  $Y_1/Y_2 = (v_2d_1/v_1d_2)$  the surface tension was measured. (Where  $Y_1$  is surface tension of experimental liquids,  $v_1$  is a number of drops of standard reference liquid,  $v_2$  is a number of drops of experimental liquids,  $v_3$  is a number of drops of experimental liquids,  $v_4$  is the density of experimental liquids.

#### Result and Discussion:

Table 1- Messaged densities and surface tension of selected solutions of various concentrations

Sr.No	Experimental Solutions(Solvent+ Solute)	Concentration in percentage by weight	Measured Density(a) in g cm <sup>3</sup>	Surface tension (Y) in dync cm <sup>3</sup>	
1	H <sub>2</sub> O - Na <sub>2</sub> CO <sub>3</sub>	5%	1.02	65.40	
2	H <sub>2</sub> O Na <sub>2</sub> CO <sub>3</sub>	10%	1.07	67.12	
3.	H <sub>2</sub> O - Na <sub>2</sub> CO <sub>3</sub> ,	15%	1.11	68.37	
4.	H <sub>2</sub> O + Na <sub>2</sub> CO <sub>3</sub>	20%	1.14	70.53	
5.	H <sub>2</sub> O + Na <sub>2</sub> CO <sub>3</sub>	25%	1.18	75.56.	
6	H <sub>2</sub> O NaCl	5%	1.02	70.53	
7.	H <sub>2</sub> O +NaCl	10%	1.06	70.99	
8.	H <sub>2</sub> O +NaCl	15%	1.08	69.45	
9.	H <sub>2</sub> O +N <sub>2</sub> Cl	2004	LIL	60 All	
10.	H <sub>2</sub> O +N <sub>3</sub> Cl	25%	1.35	54.09	
11.	$H_2O + C_{12}H_{22}O_{13}$	5%	1.00	75.56	
12.	$H_2O \times C_{12} H_{22} O_{11}$	10%	1.00	80.56	
13.	H <sub>2</sub> Q + C <sub>D</sub> H <sub>22</sub> O <sub>D</sub>	15%	104 axe	75,60	
14.	H <sub>2</sub> O + C <sub>11</sub> H <sub>22</sub> O <sub>11</sub>	20%	1.07	77,78	
15.	$\Pi_2 \mathcal{O} + C_{41} \Pi_{21} \mathcal{O}_{11}$	25%	1.08	78,51	
16.	H <sub>2</sub> O + Detergent	5%	1.0	15.83	

Table 2: Measured densities and surface tension of selected liquids.

Sr. No	Experimental liquids	Measured Density (p) in g cm <sup>3</sup>	Surface tension (Y) in dyne cm <sup>+</sup>
1.	Spite	1.01	78.50
2	Limonata .	1.03	71.25
3.	Jeera masalu Aasav	1.05	65.73
4.	Thums-up	1.01	64.77
5.	Sarsc oil	0.92	25.90
6	Ethanol	0.79	22.75

#### Conclusion:

From experimental observationsit is conclude that, the densities of liquids are increases by increasing the concentration of solute and surface tension is also changed changing concentration. In case of sodium carbonate surface tension is increased by increasing concentration by percent weight oncentration and in case of sodium chloride the surface tension was decreased by increasing concentration by percent weight ucrose increases the surface tension of water. Detergent minimizes the surface tension of water so rapidly as compare to other solute and therefore it affect the rate of evaporation of water. The densities of almost all carbonated beverages are equal but more is difference observed in their surface tension. The densities of sit and ethanol and examine their surface tension also very less than other.

#### References:

- K. Han, O. E. Woghiren, and R. Priefer, "Surface tension examination of various tiquid oral, nastl, and ophthalmic dosage forms," Chemistry Central Journal, vol. 10, no. 1, p. 31, Dec. 2016, doi: 10.1186/s13065-016-0176-x.
- [2] "Why is surface tension important?" https://www.linkedin.com/puber-why-surface-tension-important-susanna-lauren (accessed Feb. 27, 2023).
- [3] "Analysis of accuracy of burette in determination of surface tension of liquids and study of its variation with detachment time and inclination angle," IJCA, vol. 59, no. 11, Nov. 2020, doi: 10.56042/jpa. v39(11.56247).
- [4] W. L. Hsm, Y.-J. Sheng, S.-Y. Lin, and H.-K. Tsso, "Surface tensors and the travelete addition," Phys. Rev. E. Stat. Nohlin. Soft Matter Phys., vol. 69, no. 3 Pt.1, p. 031605, Mar. 2004, doi: 10.1103/PhysRevE 69.031605
- [5] S. Z. Navarro and F. P. Llamas, "The importance of sucrose for cognitive functions and behaviour
- [7] M. Thakur and H. Wadhwa, "Experimenting with stalagmometer and viscometer on day to day drinking laptors"





National Conference in Chemistry, Physics & Mathematics International Journal of Scientific Research in Science and Technology Print ISSN: 2395-6011 | Online ISSN: 2395-602X (www.ijsrst.com) Volume 9, Issue 16, November-December-2022

### Physico-Chemical Analysis of Water Quality of Shivana-Takali Dam, Kannad, Dist.-Aurangabad

Atish R. Mehetrel\*, Vilas V. Thakare2, Prabhakar Kute3, Kailash R. Borude4

Department of Chemistry, Shivaji Arts, Commerce and Science College, Kannad, Maharashtra, India
Department of Botany, Arts, Science and Commerce College Rahuri, Maharashtra, India
Department of Chemistry, Pratishthan Mahavidyalaya Paithan, Maharashtra, India

Department of Chemistry, KKM College Manvat, Maharashtra, India

### ABSTRACT

Water quality of Shivana-Takali dam of Kannad, Dist-Aurargabad (MH) has been analyzed seasonally by using various physico-chemical parameters like pH, water temperature, alkalinity, dissolved oxygen (DO), biological oxygen demand (BOD), chemical oxygen demand (COD), total dissolved solids (TDS), chloride, sulphate, phosphorous etc. during 2021-2022 and the results obtained varied seasonally. Maximum value of TDS was recorded during monsoon season. In case of some physico-chemical parameters like COD and BOD maximum values were recorded during winter season while maximum values of pH, water temperature, alkalinity, DO, chlorides, sulphate and phosphorus were recorded during summer season. Most of the physico-chemical parameters showed their maximum values in the summer season followed by winter and monsoon season.

KEYWORDS-Water Quality, DO, BOD, COD, TDS, Physico-Chemical Parameter.

### I. INTRODUCTION

The study of fresh water contained within continental boundaries is known as limnology (Roberto Bertoni; 2011). Shivana-Takali dam is constructed across the Shivana river in Kannad Tehsil of Aurangabad district. Maharashtra for different purposes like irrigation, domestic water supply, fish farming as well as industrial purposes. This water reservoir is getting polluted due to increased man made activities in the dam, use of fertilizers in agriculture which affected the water quality of the Shivana-Takali dam very badly and decrease in number of aquatic organisms also observed. Therefore, it is necessary to check the water quality of selected water reservoir seasonally.

Various researchers carried out the limnological study of fresh water including Kadam et al., (2007), Salve and Hiware (2008) Mahor (2011), Khan et al., (2012), Mule et al., (2019) etc.

The study area selected for Shivana-Takali dam which is situated on the Shivna river near. Kannad, Dist.-Aurangabad, Maharashtra. In present investigation, an attempt has been made to study seasonal water quality of Shivana-Takali dam by using various physico-chemical parameters during 2021-22.

### II. MATERIAL AND METHODS

### i. COLLECTION OF WATER SAMPLES-

The water samples were collected from 03 different stations of Shivana-Takali dam in plastic transparent bottles in the morning hours between 9 to 11 am regularly during monsoon, winter and summer seasons. The collected water samples were brought to the laboratory to study various physico-chemical parameters. Some physical parameters such as pH and water temperature were recorded on the collection sites of 03 different stations by using pH paper and thermometer respectively.

### ii. PHYSICO-CHEMICAL ANALYSIS

Various physico-chemical parameters like pH, water temperature, alkalinity, dissolved oxygen (DO), biological oxygen demand (BOD), chemical oxygen demand (COD), total dissolved solids (TDS), chloride, sulphate and phosphorous were studied as per standard procedures (APHA; 2005) for water quality analysis.

### III. RESULTS AND DISCUSSION

The water quality analysis by using some physico-chemical parameters was carried out seasonally during June 2021 to May 2022 and the results obtained are summarized in table-1.

### 3.1. pH

pH can affect most of the chemical and biochemical reactions. During monsoon season maximum pH value 7.7 was observed in the month of July while the minimum pH value 7.3 was recorded in the month of September. During present study, maximum pH value 8.2 was recorded in the month of May during summer season while the minimum pH value 7.2 was recorded in the month of October during winter season. It was observed that the pH values observed higher in summer season. Similar type of study was carried out by Kamble et al. (2009).

#### 3.2. Water temperature

The chemical, biochemical and biological characteristics of the water reservoir are determined by water temperature. During monsoon season the maximum water temperature 33.5°C was recorded in the month of June while minimum temperature 31.3°C was observed in the month of September.

During present investigation, the maximum temperature 36.5°C was observed in the month of May during summer season while minimum temperature 25°C was recorded in the month of January during winter season.

### 3.3. Alkalinity

During monsoon season the maximum alkalinity recorded was 158 mg/L in the month of July while the minimum alkalinity 138 mg/L was observed in the month of August. During present study, maximum alkalinity 172 mg/L was recorded in the month of May during summer season while minimum alkalinity 134 mg/L was observed in the month of November during winter season.

### 3.4. Dissolved Oxygen (DO)

During monsoon season maximum DO 5.5 mg/L was observed in the month of June while minimum DO 4.5 mg/L was recorded in the month of August. During present investigation maximum DO 6.5 mg/L was recorded

in the month of May during summer season while the minimum DO 4.1 mg/L was observed in the month of November. Kadam et al., (2007) carried out similar study.

### 35. Biological oxygen demand (BOD)

Maximum BOD value was recorded 3.60 mg/L in the month of December during winter season while minimum value was recorded 2.25 mg/L in the month of April during summer season.

### 3.6. Chemical oxygen demand (COD)

Maximum COD value was recorded 39 mg/L in the month of January during winter season while minimum value 29 mg/L was recorded in the month of July during monsoon season.

### 3.7. Total Dissolved Solids (TDS)

During present study maximum TDS value 133 mg/L was observed in the month of June during monsoon season while minimum TDS value 111 mg/L was recorded in the month of April during summer season.

### 3.8. Chloride

Maximum value 34 mg/L was recorded in the month of April during summer season while minimum value 23 mg/l. was observed in the month of November during winter season.

### 3.9. Sulphate

Maximum value 179 mg/L was observed in the month of May during summer season while minimum value 129 mg/L was recorded in the month of November during winter season.

### 3.10.Phosphorus

Maximum value 1.3 mg/L was observed in the month of May during summer season while minimum value 0.6 mg/L was recorded in the month of July during mensoon season.

Table-1: Physico-Chemical Parameters of Seasonal Water Quality Analysis of Shivana-Takali Dam.

Table-1: Physico-	Monse	-			Winte	er			Summ	ier		
Parameter		lul.	Aug	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
	Jun.		-	-2-10 to 11	7.2	7.6	7.7	7.8	7.7	8.0	7.9	8.2
pH	7.5	7.7	7.4	7.3			28	25	26	31	34	36.5
Water Temp. (°C)	33.5	32	31.4	31.3	32.2	28.5	1	100000	- 53	170	158	172
Alkalinity (mg/L)	148	158	138	143	149	134	139	144	150			1
DO (mg/L)	5.5	4.7	4.5	4.8	5.0	4.1	5.3	5.8	6.0	6.4	6.3	6.5
BOD (mg/L)	2.65	2.75	2.80	2.85	2.90	3.0	3.60	3.40	2.70	2.60	2.25	2.40
Control of the second second	30	29	31	32.5	35	37	36	39	33	33.5	34	34.5
COD (mg/L)		121	127	131	125	126	118	115	120	116	111	113
TDS (mg/L)	133	-	78.00	7500	24	23	26	25	33	33.7	34	33.9
Chloride (mg/L)	30.5	30	29	31				144	159	164	174	179
Sulphate (mg/L)	159	149	144	139	134	129	139			0.9	1.2	1.3
Phosphorus (mg/L)	0.8	0.6	0.9	1.1	1	0.9	1	0.9	0.7	0.9	1.4	1.0

### IV. CONCLUSION

In the present investigation, maximum value of TDS was recorded during monsoon season. In case of some physico-chemical parameters like COD and BOD maximum values were recorded during winter season while maximum values of pH, water temperature, alkalinity, DO, chlorides, sulphate and phosphorus were recorded during summer season.

During present investigation, most of the physico-chemical parameters showed their maximum values in the summer season followed by winter and monsoon season.

### ACKNOWLDEMENT:

Authors are very thankful to Principal, Shivaji Arts, Commerce and Science College, Kannad, Dist-Aurangabad for providing research facilities at their research centre.

### V. REFERENCES

- APHA (2005). Standard methods for the examination of water and wastewater. Washington DC: American Public Health Association.
- [2] Kadam, M. S., Pampatwar, D. V. and Mali, R. P. (2007). Seasonal variations in different physico-chemical characteristics in Masoli reservoir of Parbhani district, Maharashtra, Journal of Aquatic Biology, 22(1): 110-112
- [3] Kamble, S. M., Kamble, A. H. and Narke, S. Y. (2009). Study of physico-chemical parameters of Ruti dam, Tal. Ashti, Dist- Beed, Maharashtra. Journal of Aquatic Biology. 24(2): 86-89.
- [4] Khan, Rafiullah, M., Jadhav, Milind, J. and Ustad, I. R. (2012). Physico-chemical analysis of Triveni lake water of Amravati district in (MS) India. Bioscience Discovery. 3(1): 64-66.
- [5] Mahor, R. K. (2011). Limnological study of fresh water reservoir Tighra. Gwalior (M.P.). International reffered research journal. I (17): 47-48.
- [6] Mule, Prachiti, Joshi, Nitesh and Joshi, Ambika (2019). Seasonal variation in water quality of a fresh water lake in Palghar, Maharshtra. Journal of Global Biosciences. 8(2): 5983-5989.
- [7] Roberto, Bertoni (2011). Limnology of rivers and lakes.
- [8] Salve, V. B. and Hiware, C. J. (2008). Study on water quality of Wanparakalpa reservoir Nagpur, near Parli Vaijnath, District Beed, Maharashtra region. Journal of Aquatic Biology. 21(2): 113-117.



### To Analyze Intermolecular Interactions among Hydrogen Bonded Liquids by using TDR and FTIR Spectroscopy

Neware S G², Pathan A Wb, Kumbharkhane A Cc, Chalikwar P Ad, Mahajan G Re., Shaikh Y H F

<sup>a</sup>Maulana Azad College of Arts, Science and Commerce, Aurangabad, MS 431001, India;

<sup>b</sup>Dept. of Physics ASC College, Badnapur, Jalna, MS 431202, India;

<sup>C</sup>School of Physical Sciences, SRTM University Nanded, MS 431604, India;

Department of Physics and Electronics, Shivaji Arts, Science and Commerce College, Kannad, Aurangabad dDept. of Physics KKM College, Manwath Dist. Nanded (MS).

<sup>e</sup>Sri Datta Arts, Commerce and Science college Hadgaon dist Nanded (MS).

#### ABSTRACT

In the present investigation dielectric measurements have been carried out by making the use of TDR technique in the frequency span of 10 MHz-50 GHz at temperatures 0°C, 5°C, 10°C, 15°C, 20°C and 25°C respectively at 11 volume fractions of 1-PENT in ETOH. Excess properties like excess permittivity and excess inverse relaxation time have been explored using the calculated values of dielectric constant and relaxation time which have been reported in our earlier study, "Dielectric relaxation study of 1-Pentanol-Ethanol binary mixtures at 10 MHZ-50 GHz frequency range using TDR technique". The values of Bruggemann factor (F<sub>B</sub>) are calculated at all different aforesaid temperatures and compositions by making the use of least square fit method. Apart from all of these measurements FTIR measurements also been performed to scrutinize the intermolecular interactions in the binary mixture of liquids utilized for the present study.

Keywords: Time Domain Reflectometry (TDR); 1-Pentanol; Ethanol; Excess properties; Functional groups; FTIR.

\*Corresponding author

Email address: shaikhyh@gmail.com.(Y.H.Shaikh)

### I. INTRODUCTION

TDR is the authentic and dynamic approach for the study of structure of intermolecular interactions both in pure form and binary mixture of liquids, which allows the researchers in just one quantification for the broadband of frequencies [1, 2]. Dielectric measurements is a crucial tool for estimating intermolecular interactions which are due to dipole-dipole interactions which leads to succeeding molecular structural reposition in a binary mixture, and due to the existence of hydrogen bonds in the binary mixture the dielectric properties of the participating constituent liquids alters significantly [3-4]. Alcohols have allured much attentiveness amongst most of the researchers for the dielectric study due to its polarity, as

Copyright: © the author(s), publisher and licensee Technoscience Academy. This is an open-access article distributed under the terms of the Creative Commons Attribution Non-Commercial License, which permits unrestricted non-commercial use, distribution, and reproduction in any medium, provided the original work is properly cited





## Dielectric Relaxation Studies of Potentised Homeopathic Medicines

Mahajan G. R.¹, Parimal Patwe², Pathan A.W.³, Chalikwar P.A.⁴\*

¹Department of Physics, Shri Datta Arts, Commerce and Science College Hadgaon, Dist.: Nanded,

Maharashtra, India

<sup>2</sup>Radiation Oncology Department, National Cancer Institute, Nagpur, Maharashtra, India <sup>3</sup>Department of Physics, ASC college, Badnapur, Dist.: Jalna, Dist. Nanded, Maharashtra, India <sup>4\*</sup>K.K.M. College, Manvat, Dist.: Parbhani, Maharashtra, India

### ABSTRACT

Complex dielectric permittivity measurements in the frequency range 10MHz-30GHz has been carried out for homeopathic medicine Cuprum Metallicum using a time domain reflectometry (TDR) method at different temperatures. The static dielectric constants ( $\epsilon$ 0), relaxation time ( $\tau$ ) were determined by using least square fit method. Also frequency dependent spectra of for Cuprum Metallicum studied at different potencies. Theses parameters are used to explain the various processes associated with the dielectric properties of Cuprum Metallicum.

Keywords: Dielectric permittivity; Relaxation time; Time domain reflectometry (TDR).

### I. INTRODUCTION

Ever since its discovery in the eighteenth century, the homeopathic system of medicine has been open to criticism from the scientific world as well as from the practitioners of the allopathic system. The practice of homeopathy was well accepted by the public from the very inception due to safety of medicine and effectiveness. Homoeopathic medicine has been one of the world's most widely practiced alternative therapies. The popularity of homeopathy spread across the globe even during the life time of its founder. It was considered as one of the refined medical systems till about 1950s [1, 2].

The dielectric dispersion occurring in potentised homeopathic medicines subjected to variable frequency electric field was studied by using an instrumentation method developed by C R Mahata [3]. The experimental results for three potencies of Cuprum Metallicum (Cuprum met) in the frequency range of 100 kHz - 1 MHz was reported [3]. Dielectric dispersion studies were conducted in a broad range in a frequency range of 100 kHz to 50 MHz with potencies below and above the Avogadro limit by taking 6C and 30C potencies of *Graphite's* and *Cuprum Metallicum* in liquid form. Measurements were made with an Anomalous Dielectric Dispersion Detector (A3D) [4]. Anomalous dielectric dispersion in ordered molecular groups also studied. The homoeo-medicines cannot be anything except specifically ordered molecular groups, is theoretically proposed by Mahata [5, 6].





### Dielectric Relaxation Study of DPG Using a TDR at 20°C

Pankaj A. Chalikwar<sup>1</sup>, Abdulrahman W. Pathan<sup>2</sup>, K. R. Borude<sup>1</sup>, G. R. Mahajan<sup>3\*</sup> <sup>1</sup>KKM college Manwath, Dist. Parbhani 431505, Maharashtra, India <sup>2</sup>ASC college Badnapur, Dist. Jalna 431202, Maharashtra, India <sup>3</sup>Shri Datta Arts, Commerce and Science College, Hadgaon, Dist.Nanded,431712, Maharashtra, India

#### ABSTRACT

Study of Dipropylene Glycol (DPG)-water mixture have been studied by time domain Reflectometry technique in the frequency range of 10MHz to 30GHz. The measurements have been done at temperature 20°C at different volume fractions The dielectric parameters such as static dielectric constant and relaxation time for mixture have been reported here. The molecular interaction between Dipropylene Glycol and water is discussed using Kirkwood correlation factor (geff) and dielectric constant for mixtures. The dielectric relaxation behavior of binary mixtures of Dipropylene glycol-water has been fitted with Cole-Davidson model having an asymmetric distribution of relaxation time. These parameters have been fitted to the Bruggeman mixture formula in the non-linear casé.

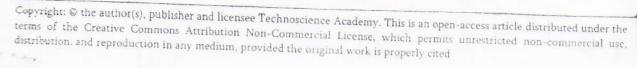
Key words: Dielectric relaxation, Time Domain Reflectometry, Glycol, Kirkwood correlation factor

### I. INTRODUCTION

Over the past several years, the aqueous mixtures of glycols and alcohols have been extensively investigated by means of the dielectric relaxation as a function of -OH group to understand the significance of hydrogen bond interaction. [1-2] Dipropylene glycol (DPG) reveals a strong tendency to form H bonds. Terminal hydroxyl groups of DPG may participate in two types of hydrogen bonds: end-to-end and end-to-ether (C-O-C) groups [3] both can lead to inter and intra molecular structures.

The dielectric relaxation study is very helpful for the understanding of intermolecular interaction and the hydrogen bonding interaction in aqueous mixture due to dipole-dipole interaction. The main interest of the study is to understand the structural and dynamical behavior of aqueous DPG using Time Domain Reflectometry (TDR) Technique. Previously different techniques were used for characterization such as light scattering [4-6], optical Kerr-effect [7] as well as photo thermal. Moreover some physical properties of aqueous mono, di and tri propylene glycol have been reported. [8] The dielectric spectra of propylene glycol and tri-propylene glycol have been studied earlier [9-10] using TDR technique.

The objectives of the present work are to investigate temperature dependent dielectric relaxation properties of DPG-water systems using TDR technique in the frequency range of 10 MHz to 30 GHz. The static dielectric constant, relaxation time, Bruggeman factor, Kirkwood correlation factors, excess dielectric permittivity and thermodynamic parameters have been reported for DPG-water mixtures.





### JETIR ORG ISSN: 2349-5162 | ESTD Year: 2014 | Monthly Issue JOURNAL OF EMERGING TECHNOLOGIES AND

JETIR

INNOVATIVE RESEARCH (JETIR)

An International Scholarly Open Access, Peer-reviewed, Refereed Journal

### Dielectric Absorption and Loss Study for Propanol in 10MHz to 30GHz Frequency Range

Chalikwar Pankaj Aª Department of Physics, K. K. M. College Manwath, MS 431505, India

### Abstract

7

-

5

7

-

7

7

7

7

11111111111111111

The complex permittivity spectra was obtained for Propanol in pure state at 25°C, and was fitted in Cole-Davidson model, for this purpose time domain reflectometry technique has been deployed in the frequency span of 10 MHz-30 GHz using time domain reflectometry technique. The values of dielectric absorption  $\varepsilon'$  and dielectric loss  $\varepsilon''$  were also estimated and plotted in the frequency range. The resonance character of the attenuation (the imaginary part of the complex permittivity) can be explained in a similar way. Before the resonance the loss is increasing because the dipoles still can totally orient when the electric field changes direction, so the loss is proportional to the frequency.

Keywords: Complex permittivity spectra, Propanol, dielectric absorption, dielectric loss, Time domain reflectometry.

### Introduction

Dielectric relaxation occurs when; a dielectric material is polarized by the externally applied alternating field. The decay in polarization is observed on removal of the field. This depends on the internal structure of a molecule and on molecular arrangement. The orientation polarization decay exponentially with time; the characteristics time of this exponential decay is called relaxation time. This phenomenon may occur as; at low frequencies, the dipoles can "follow" the field and & will be high. At high frequencies, the dipoles cannot follow the rapidly changing field - and ε' falls off. The resonance character of the attenuation (the imaginary part of the complex permittivity) can be explained in a similar way. Before the resonance the loss is increasing because the dipoles still can totally orient when the electric field changes direction, so the loss is proportional to the frequency. After resonance the frequency is so high that the dipoles do not have enough time to orient, so there is less friction and less loss. The permittivity thus acquires a complex characteristic.

The complex permittivity  $\epsilon^*$  can be written as  $\epsilon'$ -j $\epsilon''$ , where  $\epsilon'$  is a real part proportional to stored energy and  $\epsilon''$  is imaginary part

When an alternating field of high frequency is applied to a dielectric material, the dipolar polarization can't reach its equilibrium value fast enough or follow the polarizing field. Due to this, dipoles per unit volume decrease with increase in frequency and hence decrease in permittivity.

Propanol contains three numbered carbon chains with alcoholic group in first position as it is a primary alcohol with formula C3H8O, it is highly flammable volatile colorless liquid at room temperature . It is commonly used in dye solutions, lacquer formulations, anti freezing materials etc.

Complex dielectric spectra of certain liquids reported in the literature show multiple relaxation time behavior 1, 2. The spectra of such liquids show deviations from the Debye dispersion curve. The representation of dispersion curve therefore needs some mathematical This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, resold, hired out, or otherwise circulated without the publisher's prior written consent in any form of binding or cover other than that in shich it is published and without a similar condition including this condition being imposed on the subsequent purchaser and without limiting the rights under copyright reserved above, no part of this publication may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photoscopying or recording) otherwise without the prior written permission of both the copyright owner and the above-mentioned publisher of this book.

logatines for bulk sales may be solicited at mahibooknubb cations a ginsil comp

First Edition: July 2023

ISBN: 978-81-19492-02-2

Price: RS. 1299/-

Muhi Publication

Office No.1, Krishnasagar Society, Nr. Shivsagar sharda Mandir Road

Alumedahad-380007 Places: +(91) 798 412 6340

Website www.mzhipublication.com E-mail\_mainbookpublication@zmail.com

Copyright © 2023/MAHI PUBLICATION

### EDITORS

Dr. Bhise Ramesh B. (M.Sc. M.Phil. PhD, PC/DCM, DET, MBA)

Head, Associate Professor, PG Department of Physics, DCACs thou Bulantisch Judius Aris, Commerce and times of offense Ale Tul. Juenas, Inst. Pune 412411

Dr. Governmi Vishal H. (M.Sc. M.Phil. Ph.D.)

Assistant Professor, PG, Department of Physica, S. S. & L.S. Patker Verde College, Goregane (W). Mumbai 4000119

Dr. Shinde Mahendra S. (M.Sc. SFT, Ph.D.)

Head, Assistant Pinfessor, Department of Physics, Mahant Januasidas Mahann Arfs, Commerce and Science College, Karanjah, Tal. Peth, Dist. Nashik 422208

Dr. Dhiware Manister D. (M.Sc. NET, BEd, Ph.D.)

Hend. Assistant Professor, 191 Department of Physics, Kentityeer Vasantrus Narayaneso Nade Arts, Commerce and Science College, Canada Corner, Nashri. 422002

### CHAPTER: 20

## DIELECTRIC RELAXATION STUDY OF AQUEOUS GLYCOLS

The dielectric relaxation study of aqueous Glycols (Propylene Glycol, Propylene Glycol-1,3, Dipropylene Glycol and Tripropylene Glycol) have been carried out using Time Domain Reflectometry Technique in the frequency range of 10 MHz to 30 GHz at different temperatures. Using non-linear least square fit method, the dielectric relaxation parameters like static dielectric constant relaxation time were obtained by. The intermolecular hydrogen bonding of glycol-water mixture has been carried out using Kirkwood correlation factor and thermodynamic parameters. The dielectric constant for mixtures has been fitted to Bruggeman mixture formula in non-linear case.

- 20.1 Introduction
- 20.2 Results and Discussion
- 20.3 Conclusions

### 20.1 Introduction:

Glycols are characterized by the formula H [OCH (CH<sub>2</sub>) (CH<sub>2</sub>)], OH It is mainly used as a building block in production of some kinds of polymers by the method of condensation polymerization. Glycols having two hydroxyl groups have intermediate properties between single hydroxyl group alcohols and three hydroxyl group glycerin. Due to presence of two hydroxyl groups and longer chain the solubility in aqueous media is more. The dielectric relaxation has been studied as a function of -OH group in glycols order to understand the significance of hydrogen bond interaction in glycol. For n=1 refers as Propylene glycol also called as diols with -OH groups are attached to terminal carbon atom. Dipropylene Glycol (DPG) with n=2 and Tripropylene glycol (TPG) with n=3 has



### Dielectric Relaxation Study of DPG Using a TDR at 20°C

Pankaj A. Chalikwar<sup>1</sup>, Abdulrahman W. Pathan<sup>2</sup>, K. R. Borude<sup>1</sup>, G. R. Mahajan<sup>3\*</sup> <sup>1</sup>KKM college Manwath, Dist. Parbhani 431505, Maharashtra, India <sup>2</sup>ASC college Badnapur, Dist. Jalna 431202, Maharashtra, India <sup>3</sup>Shri Datta Arts, Commerce and Science College, Hadgaon, Dist.Nanded,431712, Maharashtra, India

### ABSTRACT

Study of Dipropylene Glycol (DPG)-water mixture have been studied by time domain Reflectometry technique in the frequency range of 10MHz to 30GHz. The measurements have been done at temperature 20°C at different volume fractions The dielectric parameters such as static dielectric constant and relaxation time for mixture have been reported here. The molecular interaction between Dipropylene Glycol and water is discussed using Kirkwood correlation factor (geff) and dielectric constant for mixtures. The dielectric relaxation behavior of binary mixtures of Dipropylene glycol-water has been fitted with Cole-Davidson model having an asymmetric distribution of relaxation time. These parameters have been fitted to the Bruggeman mixture formula in the non-linear case.

Key words: Dielectric relaxation, Time Domain Reflectometry, Glycol, Kirkwood correlation factor

### I. INTRODUCTION

Over the past several years, the aqueous mixtures of glycols and alcohols have been extensively investigated by means of the dielectric relaxation as a function of -OH group to understand the significance of hydrogen bond interaction. [1-2] Dipropylene glycol (DPG) reveals a strong tendency to form H bonds. Terminal hydroxyl groups of DPG may participate in two types of hydrogen bonds: end-to-end and end-to-ether (C-O-C) groups [3] both can lead to inter and intra molecular structures.

The dielectric relaxation study is very helpful for the understanding of intermolecular interaction and the hydrogen bonding interaction in aqueous mixture due to dipole-dipole interaction. The main interest of the study is to understand the structural and dynamical behavior of aqueous DPG using Time Domain Reflectometry (TDR) Technique. Previously different techniques were used for characterization such as light scattering [4-6], optical Kerr-effect [7] as well as photo thermal. Moreover some physical properties of aqueous mono, di and tri propylene glycol have been reported. [8] The dielectric spectra of propylene glycol and tri-propylene glycol have been studied earlier [9-10] using TDR technique.

The objectives of the present work are to investigate temperature dependent dielectric relaxation properties of DPG-water systems using TDR technique in the frequency range of 10 MHz to 30 GHz. The static dielectric constant, relaxation time, Bruggeman factor, Kirkwood correlation factors, excess dielectric permittivity and thermodynamic parameters have been reported for DPG-water mixtures.

### II. EXPERIMENTAL DETAILS

### Materials and sample preparation

DPG (100% pure) was purchased from Merck India Limited and used without further purification. The HPLC grade double distilled water was used in preparation of aqueous DPG mixtures. 11 different Samples of total volume 5ml each were prepared such that; a volume fraction 0.1 indicates 0.5ml of DPG added to 4.5ml of water, a volume fraction of 0.2 indicates 1.0ml of DPG added to 4.0ml of water and vice versa. For the measurement samples were placed in an electronically temperature-controlled bath within accuracy of ± 0.1 °C.

The step pulses recorded without sample  $R_1(t)$  and with sample  $R_X(t)$  and are subtracted and added to get

$$p(t) = [R_1(t) - R_X(t)]$$

$$q(t) = [R_1(t) + R_X(t)]$$

The complex reflection coefficient  $\rho^*(\omega)$  over a frequency range of 10 MHz to 30 GHz were determined as follows.

$$\rho^*(\omega) = \frac{c}{j\omega d} \frac{p(\omega)}{q(\omega)}$$

Where p ( $\omega$ ) and q ( $\omega$ ) are Fourier transforms of p (t) and q (t) obtained using summation and Samulon methods [10] respectively, c is the velocity of light,  $\omega$  is angular frequency and d is effective pin length (0.16 mm). The complex permittivity spectra  $\varepsilon^*(\omega)$  was obtained from reflection coefficient spectra  $\rho^*(\omega)$  by applying the bilinear calibration method suggested by Cole [11]. Figure 1 shows frequency dependent complex permittivity spectra  $\varepsilon^*(\omega)$  for DPG–water mixtures at 20 °C.

### III. RESULTS AND DISCUSSIONS

### Dielectric Constant and Relaxation time

Dielectric relaxation for aqueous DPG is described by the Havriliak-Negami equation [12]

$$\varepsilon^*(\omega) = \varepsilon_{\infty} + \frac{\varepsilon_0 - \varepsilon_{\infty}}{\left[1 + (j\omega\tau)^{1-\alpha}\right]^{\beta}}$$

Where  $\epsilon_0$  is the static permittivity,  $\epsilon_\infty$  is the permittivity at high frequency,  $\tau$  is the relaxation time,  $\alpha$  and  $\beta$  are the empirical parameters for the distribution of relaxation times with values between 0 and 1. Temperature dependent dielectric relaxation parameters for aqueous solutions of DPG are listed in Table 1. The errors in the least significant digit are also reported.

The Relaxation time increases systematically in aqueous solutions of DPG as shown in table 1 suggests that water structure is modified due to hydrogen bond by the DPG so as to produce an increase in relaxation time in the mixture. In DPG rich regions relaxation time increases rapidly this may due to higher viscosity of DPG as relaxation time and viscosity has linear relationship. [13]

Page No: 287-292

Table 1. Dielectric Relaxation Parameters for aqueous solution of DPG at 20 °C

		Vol. Fract.		
Of DPG	8	$\epsilon_{_{0}}$	τ (μ	ps) β
0.0	3.92(3)	79.10(7)	8.82(1)	1.0000(1)
0.1	2.000(1)	72.16(10)	13.16(03)	0.9723(1)
0.3	2.00	0(1) 58.98(08)	10.47(02) 1.00	000(1)
0.2	2.00	0(1) 63.35(22)	11.57(04) 1.00	000(1)
0.4	2.237(2)	52.32(08)	36.00(01)	0.8451(1)
0.5	2.425(2)	48.48(08)	48.28(02)	0.8245(0)
0.6	3.750(3)	42.00(14)	82.42(07)	0.7929(3)
0.7	4.522(2)	37.91(15)	138.56(01)	0.7636(3)
0.8	5.073(2)	35.17(18)	209.30(03)	0.7701(4)
0.9	4.880(2)	28.47(16)	320.07(06)	0.7966(5)
1.0	3.867(1)	20.16(13)	771.20(17)	0.7679(5)

Note: Numbers given in parentheses denote uncertainties in the least significant digits obtained by the least square fit method, e.g. 20.59(14) means  $20.59 \pm 0.14$  and 0.7564(7) means  $0.7564 \pm 0.007$ .

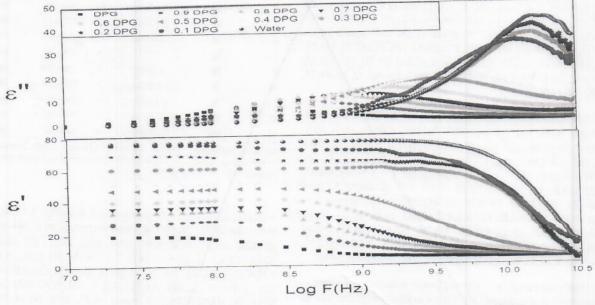


Figure 1 Complex permittivity spectra for DPG-water mixtures at 20°C

### Page No: 287-292

### Kirkwood correlation factor

Static dielectric constant for the mixture can be explained using the Kirkwood-Frohlich equation as follows [14-15],

$$\frac{4\pi N\rho}{9kTM}g\mu^2 = \frac{\left(\varepsilon_0 - \varepsilon_\infty\right)\left(2\varepsilon_0 + \varepsilon_\infty\right)}{\varepsilon_0(\varepsilon_\infty + 2)^2}$$

Where  $\mu$ ,  $\rho$  and M correspond to the dipole moment in gas phase, density and molecular weight respectively, k is the Boltzmann constant, T is the temperature and N is the Avogadro's number.

The Kirkwood correlation factor "g" determined from the dielectric constant gives information on the collective orientation correlation between molecules.

$$\frac{4\pi N}{9kT} \left[ \frac{\mu_w^2 \rho_w}{M_w} V_a + \frac{\mu_A^2 \rho_A}{M_A} (1 - V_a) \right] g^{eff} = \frac{\left(\varepsilon_{0m} - \varepsilon_{\infty m}\right) \left(2\varepsilon_{0m} + \varepsilon_{\infty m}\right)}{\varepsilon_{0m} \left(\varepsilon_{\infty m} + 2\right)^2} \quad 6$$

With  $V_a$  and 1- $V_a$  as volume fractions of liquids a (water) and b (DPG), respectively. In the mixtures the values of  $g^{eff}$  show (Table 2) decreasing trend with the increasing concentration of DPG molecules in the mixtures. This indicates the decrease in interaction between the molecules of the system with increase in volume fraction of DPG in the solution. The values of  $g^{eff}$  are greater than unity for all the concentration and all three temperatures suggesting parallel orientation of electric dipoles.

Table 2. Kirkwood correlation factor for DPG Water Mixture at 200C.

Volume Fraction of	f Solute
--------------------	----------

Volume Fraction of Solute	X.		2.7/10
0.0	2.79(16)	0.1	2.74(16)
0.2	2.62(15)	0.3	2.68(16)
	2.65(16)	0.5	2.79(16)
0.4		0.7	3.07(18)
0.6	2.82(17)	0.9	4.09(24)
0.8	3.63(22)	0.5	
1.0	4.88(29)		

Note: Numbers given in parentheses denote uncertainties in the least significant digits, e.g. 2.79(16) means  $2.79 \pm 0.16$ 

### Bruggeman factor

The Bruggeman equation [16] is another parameter which may be used as an indicator of solute solvent interaction. The Bruggeman factor (fb) is given by,

$$f_{B} = \left[ \frac{\left( \varepsilon_{0m} - \varepsilon_{02} \right)}{\left( \varepsilon_{01} - \varepsilon_{02} \right)} \right] \left( \frac{\varepsilon_{01}}{\varepsilon_{0m}} \right)^{\frac{1}{3}} = 1 - V$$

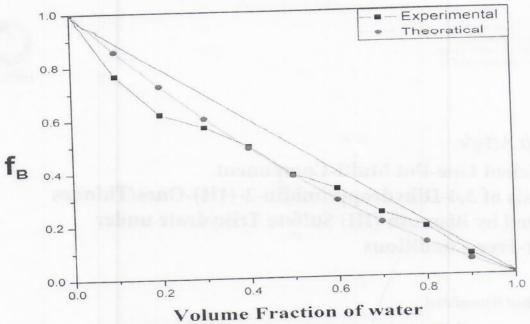


Figure 2 Plot of Bruggeman factor (f<sub>B</sub>) as function of Volume fraction of water at 20°C Where  $\epsilon_{0m}$ ,  $\epsilon_{01}$  and  $\epsilon_{02}$  are the static dielectric constant corresponding to mixture, solute and solvent respectively; V- is the volume fraction of solvent (water). From above equation, the linear relation is expected from a plot & Vs Volume fraction of water. But in binary liquids, there is non-linear relationship.

$$f_{B} = \left[ \frac{\left(\varepsilon_{0m} - \varepsilon_{02}\right)}{\left(\varepsilon_{01} - \varepsilon_{02}\right)} \right] \left(\frac{\varepsilon_{01}}{\varepsilon_{0m}}\right)^{\frac{1}{3}} = 1 - \left[a - (a - 1)V\right]V$$

In this equation, volume fraction (V) is changed by a factor 'a -(a -1) V' of the mixture.

Figure 2 shows variation of Bruggeman factor at 20°C with volume fraction of water. The value of 'a' equal to 1 corresponds to ideal mixture with no additional interaction between two liquids and reduces to Bruggeman's equation. The value of 'a' determined by least square fit method is found to be 1.47; its deviation from unity indicates the molecular interaction in the mixture.

### IV. CONCLUSION

The values of static dielectric constant, relaxation time, Kirkwood correlation factor and Bruggeman factor for DPG-water mixtures are also investigated. It suggests the formation of strong -H bonds between DPG and Water. The Kirkwood correlation factor value of pure Dipropylene is greater than unity, reveals the hydrogen bond interaction and presence of parallel associated molecules. Using Bruggemann factor the nonlinear relationship between DPG and water molecules has been also studied.

### Acknowledgments:

The author P A Chalikwar is thankful to University Grants Commission (UGC) WRO Pune, (File NO. 47-718/13(WRO)).

### V. REFERENCES

- [1]. K. Grzybowska, A. Grzybowski, S. Pawlus, S. Hensel-Bielowka, and M. Paluch. Dielectric relaxation processes in water mixtures of tripropylene glycol. The J of Chem. Phy. 2005;123:204506.
- [2]. Bo Jakobsen,a\_ Kristine Niss,b\_ and Niels Boye Olsenc. Dielectric and shear mechanical alpha and beta relaxations in seven glass-forming liquids. The J of Chem. Phy. 2005;123:234511.
- [3]. Y. B. Mel'nichenko, J. Schüller, R. Richert, B. Ewen, and C.-K. Loong. Dynamics of hydrogen-bonded liquids confined to mesopores: A dielectric and neutron spectroscopy study. J Chem. Phys.
- [4]. A. Yoshihara, H. Sato, S. Kojima. Brillouin Scattering Study of Glass-Forming Propylene Glycol. Jpn. J Appl. Phys. 1996;35: 2925.
- [5]. J.-H. Ko, S. Kojima, Brillouin scattering study on the polypropylene glycol by using a nonscanning Fabry-Perot interferometer. Phys. Lett. A. 2004;321:141-146.
- [6]. R. Bergman, L. Börjesson, L.M. Torell, A. Fontana. Dynamics around the liquid-glass transition in poly(propylene-glycol) investigated by wide-frequency-range light-scattering techniques. Phys. Rev. B.
- [7]. M.S. Beevers, D.A. Elliott, G. Williams. Dynamic Kerr-effect and dielectric relaxation studies of a poly(methylphenyl siloxane). Polymer. 1980;21:279-282.
- [8]. Tongfan Sun and Amyn S. Teja. Density, Viscosity and Thermal Conductivity of Aqueous Solutions of Propylene Glycol, Dipropylene Glycol, and Tripropylene Glycol between 290 K and 460 K. J Chem. Eng. Data. 2004;49:1311-1317
- [9]. Ganesh V. Mashalkar, Pankaj A. Chalikwar & Ashok C. Kumbharkhane. Temperature-dependent dielectric relaxation study of polyhydric alcohols (propane-1, 3 and 1,2-diol) using a TDR technique, Phy. and Chem. of Liquids. 2014;53,3:307-317.
- [10]. Pankaj A. Chalikwar, Avdhut R Deshmukh and Ashok C. Kumbharkhane. Dielectric relaxation of Tripropylene glycol-water mixture using time domain Reflectometry, Phy. and Chem. of Liquids.
- [11]. Havriliak S, Negami S.A complex plane analysis of  $\alpha$ -dispersions in some polymer systems. J Polym Sci C. 1966; 14: 99-117.
- [12]. Hill NE, Theoretical Treatment of Permittivity and Loss. Van Nostrand Reinhold Co, London. 1969; Chapter 1: p 1.
- [13]. Frolhich H. Theory of Dielectrics. Oxford University Press; London. 1949.
- [14]. Fattepur RH, Hosamani MT, Deshpande DK, Mehrotra SC. Dielectric relaxation and structural study of aniline-methanol mixture using picosecond time domain reflectometry. J Chem Phys. 1994; 101:9956.
- [15]. Kumbharkhane AC, Puranik SM, Mehrotra SC. Structural study of amide-water mixtures using dielectric relaxation technique. J Mol Liq. 1992; 51: 261.
- [16]. Bruggeman DAG. Ann Phys (Leipzig). 1935; 5: 636-679.

Page No: 287-292



Volume 2, Issue 4, June 2022

### Phytochemical and Antifungal properties of Tinospora cordifolia (Wild) Hook F. Thompson Against Fruit Rot Pathogens

Dr. Sawant S. G. Department of Hotany K. K. M. College, Manwat, Maharashtra, India sanka, sawanto a gmail.com

Abstract: Mony studies reveal that the plants are reservoirs of "active antinicrobial compounds. The antinicrobial activity at plants is due to the presence of eliterest biasetty compounds of various types such as Flavousids, tetarpenoids and some exceptial oils. The not out natural phenolic compounds. Many investigations sums the usefulness of all these compounds in human welfare particularly to confidence many investigations sums through the study preferance many limits of human disorders. This study preferance light on the physioleometed and antifargul properties of T conditable. In this study preferance qualitative markets of wat and Stem extract of T conditable. This is done by using three types of Solvens as Water Edition, Alexanos Long indicates the presence of flavouside allowable compounds giverously particularies and norms Most of the physioleometed empermits were found in mediannic and water solvents in compared to estimate the presence of flavous secondary metobolites and their potential suggests their future inclosions to control human across of unitariores but analysis.

Keywords: Active antimicrobial compound, phytochemicals. Tipospora conditolia, sulvent extracts

### LINTRODUCTION

Finits are susceptible to attack by a variety of microorganisms during storage, transportation and marketing. In India where bulk storage facilities are neither available nor affordable such losses are even greater particularly during wet and humid periods(Sil. 1985).

Posthassest diseases due to fungal pathogens posing a major problem to the agriculture industry where they account to about 50% losses in fruits stored in poor storage conditions. Now a days fungal diseases are controlled by chemical fungicides. But their continuous use compenhened with high cost residue or plants which create trede effects or the environment and burnan health.

Therefore, there is a need for the development of safe, eco-friendly and effective strategy to control the postbaryest fungal pathogens.

In our ancient world, the consumption of plants as medicine was the only source against various diseases. Fossil records date human use of plants as medicine at least to the middle palacolithe age, some monotograp ago (Labricani and Fransworm, 2001). At that time the use of plants as was breast any visual observation of some local practioners, and their traditional knowledge pass on generation is generation.

According to WHO almost 65% of the World's population have incorporated realitional system of medicine in their mostality or health caret Fransworth et al 1985. Now the medicinal plant sector has gained both scientific and social support, the herbal industries are playing a major source of capitalization in both developed and developing commess fextuacts obtained from many plants have recently gained population on both developed and developing commess textuacts obtained from many plants have recently gained population on the infiniteriolital properties of plant extracts they et al. 2007; Verasiegni, et al. 2008; Santas, et al. 2010; Reports on the infiniteriolital properties of plant extracts containing different classes of plantalic compounds represent a rich source of preservatives that have been explored for a hing time as postharvest alternative control measures to funguades l'attantion 2003. Sebena et al. 2008.)

Other research workers (Amadioha and Obs. 1000; Amadioha 2000, and Okipho 2009), studied the significance of

Officer research workers (Amadioba and Obs.1999, Amadioba.2000) and Origin.2009) studied the significance of fungicides of plant origin as possible means of lungal disease control in truth and segerables as they are easily brodegradable and nontexic to human health.



Volume 2, Issue 4, June 2022

Zhang and Zhang(2005) have also shown that the plant extracts have great potential to be an alternative to synthetic fungicides. This investigation is therefore targeted at the phytochemical and antifungal activities of one of the most important and popular medicinal plant. Timapera cordificia against postharvest fruit rot pathogens

## Taxonomic (Tassification of Timospora cordifolia(Wild) Miers ex. Hook and Thompson

- Subkingdom: Frachaeophyta
- Superdivision: Spe/matophyta
- Division: Magnoliophyta
- Class: Magnoliopsica
- Subclass: Polypetalae
- Series:Thalmiflorae
- Order: Rannunculales
- Family-Menis permaceae
- Tribe: Tinosporaceae
- Genus: Tmospara
- Species cerdifolia

### Selected Vernacular Names

- Sunskrit-Citiduchi, Madhuparni, Amrita, Tantrica
- Hindi-Gilova, Guduchi : Marathi-Gulvel
- Gujrati- Cialo; Kannada- Amrita balli, Madhupa

### Plant Description

Transports conditation Willd Miers, is one of the important of deciduous plant belongs to the family Menispermaceae found throughout the India, Sriianka, Bangladesh and China. It is endemic to the tropical region of the India, growing to temperature range of 25°C to 45°C at an altitude of 500 meters (9). It is a perennial twine usually found with scramptious stem and supery bark in India. It often attains a great height and mostly climbs up the tunks of large tree. Roots are long fill form, and fleshy. Bark is thin grey or creamy white in colour with deep spotted clefts and large lenticels. Leaves are heart shaped, membranous, jutey and cordine. The leaf blade is broadly ovate to roundish, cordate. cordate,5 to /2cm in dismeter with smooth surfaces. It has precaish flowers which are unisexual and bloom in summer. Male flowers are small, yellow or green colonied occur in clusters whereas female flower occur singly. Fruits are spherical or rounded in shape, fleshy, shiny green which turn red after ripening. Seed is curved

## Phytochemical Analysis of Different Parts of Tinospora cardifolia

curves are rich in protein, calcium and phosphoras (5,6). Methanolic estimets of leaves is rich in flavorioids. alkaloids and glycosides(7). Herbit extracts of various forms like infusion, decocion, linetures, syrups and macciation etc. are commonly used since ancient time for medicinal purpose. Cold infusion of Giloy prepared by using stem is given in chronic conditions of favor. The suice extract from the stem of Giloy is highly effective for the treatment of gott as it helps to neutralise the increased uric acid levels in the body. Strong decoction of giloy with basil leaves offer resistance

The phytochemicals mainly synthesized in all plant pans like stem, leaves, toot, bark, flower and fruits, Isolation of these compounds from plants is mainly depending upon the sulveres which used for extraction(3). This emphasize there is an urgent need to try as much solvents as possible in qualitative phytochemical screening of plants(4). In the present investigations, three different solvents are used to obtain extract of leaves and stem of Tinospoon conditaba-These extracts were used for preliminary phytochemical analysis by using standard chemical methods



Volume 2, Issue 4, June 2022

### II. MATERIAL AND METHODS

#### 2.1 Collection of Plant Material

Fresh stem and Leaves of Teordifolia are collected from wild areas of Parbhani District of Maharashtra. Collected plant material washed under for tap water to eradicate dust and microbes. The plant material then air dried under shade at room temperature for 15 days. The plant material then crushed well into fine pewder in an electronic grinder and kept into air tight polythene bags for further use and stated at room temperature.

#### 2.2 Preparation of Plant Extract

The extracts of selected sample powder were prepared by soaking 50gm of dried powder in 100mLof each methanol, ethanol and water. The solution left at room temperature for 72 hours and then filtered with the help of of filter paper. The filtrate of the selected plant sample were taken and used for further physiochemical screening.

### 2.3 Phytochemical Screening

#### A. Detection of Alkaloide

A small amount of extract was treated with 2ml of Wagners reagent (1.27g of iodine and 2gm of Potassium iodical in 100ml of water) and observed till the formation of reddish brown precipitation which indicates the presence of Alkaloids.

### B. Test for Carbohydrates

A few drops of Bennedicts reagent were added to 2ml of various extracts, boiled in waterbath for for 5min cooled and observed for a reddish brown precipitate(19)

### C. Detection of Glycosides

Extracts were hydrolysed with dil. FCL, and then subjected to test for glycosides.

### Modified Borntragers Test

Extracts were treated with Ferric chloride solution and immersed in boiling water for about 5minutes. The mixture was cooled and extracted with equal volume of Benzene. The Benzene layer was separated and treated with Ammonia solution. Formation of rose-pink colour in the ammonical layer indicate the presence of anthranol glycosides.

#### D. Detection of Saponin

2ml of extract was added 12ml of water in a test tube. The mixture was shaken vigorously and observed for the formation of persistent from

### E. Detection of Phenol

A fraction of the extracts was treated with aqueous 5%, ferric chloride and noticed for formation of deep blue or black colour.(22)

### F. Detection of Flavonoids (Alkaline Reagent Test)

Few drops of 20% sodium hydroxide solution were added to 2ml of extracts. Formation of intense yellow colour, which becomes colourless on addition of dilute hydrochloric acid, revealed the presence of flationoids(22,25).

### G. Detection of aminoacids and Proteins (1% Ninhydrin Solution)

2ml of filtrate was treated with 2-5 drops of Ninhydrin solution placed in boiling water bath for 1-2 minutes and observed for the formation of Purple colour(24).

### H. Desection for Tannins (Braymers Test)

2ml of extract was treated with 10% ferric chloride solution and observed for formation of blue or greenish colour solution (19).

Copyright to IJARSCT www.ijarsct.co.in

DOI: 10.48175/JARSCT-4690



Volume 2, Issue 4, June 2022

#### I. Detection of Terpenoids (Salkowkis Test)

2ml of each extract were treated with 1ml of Chloform followed by a few drops of concentrated Sulphuric acid: A reddish brown precipitate is formed immediately indicated the presence of terpenoids(25)

### HERESULTS AND DISCUSSION

Table 1: Phytochemical Screening of Triospora cardifolia leaves and stem extracts.

hytochemical Test		Leaf extracts			Stem Extracts		
	M	E	A	M	E	A	
Alkaloids	+	+	+	+	+		
Carbohydrates	+	+	+	+		+	
Glycosides	+	+	+	+			
Suponia	+	-	+	2		+	
Phenol	1	1	+	+	+		
Flavonoids	+	+		+	+		
Amino acids	+	+		-	-		
Tanning		1	+		+	+	
Terpenoids	*	+	-	-	+	2	

In Table-1, where, M-Methanolic extract; E- Ethanolic Extract;

Aquaeous extract; +sign indicates presence and -sign indicates absence of respective phytochemical.

There is a consensus that the antifungal effect of plants could be associated with the quality or/and quantity of their secondary metabolites (34). Indeed, correlation analysis revealed that inhibition of mycelial grown and spore germination were very strongly concrelated with polyphenol and flavonoid levels.

As reported by E.I.Matti et.al. (34), plant extracts with higher antimicrobial ability had higher phenolic content. Alternatively, Assiri et.al (55) have demonstrated that bioactive lipids including faity acids and hydrophobic vitamins are implicated in the artimicrobial properties of plant extracts.

All these compounds can work by inhibiting metabolic enzymes, interefering with cell wall synthesis and electron transport, altering cell permeability inhibiting outrient absorption, and interfering with other cellular metabolic pathways (36).

in fact, the antioxidants have been reported to play a major role in increasing the effectiveness of treatments against plant fungal pathogens when combined as adjuvants with fungiciden(37).

Their effect may be due to an increase in membrane permeability, subsequently allowing a greater diffusion of fungicides in cells, or reduced oxidation of intracellular fungicides resulting in higher toxicity for fungi(38).

Available literature indicates that the antimicrobial activity of plant is one to the presence of different bioactive compounds in various types of extracts such as flavanoids, triterpenoids and some essential oils like. Thymol and natural phenotic compounds that are classified as Active antimicrobial compounds (Hasan et al. 1994).

Successful anticipation of various herbal chemical compounds from plant is largely reliant on the type of solvent that were used in the extraction procedure. The customary practioners in our medicinal system suggested water primarly as a good solvent for extraction which has better solubility of bioactive compounds. Later investigations verified that in comparison to water extracts, organic solvents extracts exhibits strong results (Krishana et al. 1997; Singh I, and Singh V.P. 2000; Natrajan et al. 2003 Natrajan D. et al. 2005).

Flavamoids are least coluble in water which is the primarily phenolic compound in plants and responsible for several therapeutic activity of plants Do Boer et al 2005).

Several studies have been conducted to shed light on the mechanism of action of several active compounds of plant extracts including essential oils (Chang et.al. 2001). The crude sap, volatile and essential oil extracted from whole plant or specialized plant parts like root, stem, leaves, flowers, fruits and seeds are widely used in preparing the antimicrobial compounds which are significantly used against the different plant pathogens or diseases (Entriar, M.S.et.al. 2012).



Volume 2, Issue 4, June 2022

### 1. Detection of Terpenoids (Salkowkis Test)

2ml of each extract were treated with 1ml of Chloform followed by a few drops of concentrated Sulphuric acid. A reddish brown precipitate is formed immediately indicated the presence of terpenoids (25).

#### HL RESULTS AND DISCUSSION

Table 1: Phytochemical Screening of Tinospora cordifolio leaves and stem extracts.

Phytochemical Test		Leaf extract	5	Stem Extracts		
	M	E	A	M	E	A
Alkaloids	+	+	+	+	+	-
Carbohydrates	+	+	+	+	*	+
Glycosides	+	+	+	+	+ -	+
Saponin	+		+:	-5	-	*
Phenol	+	+	t.	+	+	-
Flavoneids	+	+	-	+	+	*
Amino acids	+	+		3.3	5	-
Tannius	-	+	+		+	
Terpensids	+	+			+	-

In Table-1, where, M-Methanolic extract; E- Ethanolic Extract;

Aquaeous extract; +sign indicates presence and -sign indicates absence of respective phytochemical.

There is a consensus that the antifungal effect of plants could be associated with the quality or/and quantity of their secondary metabolites(54). Indeed, correlation analysis revealed that inhibition of mycelial growth and spore germination were very strongly concretated with polyphenol and flavourid levels.

As reported by E.I.Marti et.al.(34), plant extracts with higher antimerobial ability had higher phenolic content. Alternatively, Assin et.al(35) have demonstrated that bioactive lipids including farty acids and hydrophobic vitamins are implicated in the antimerobial properties of plant extracts.

All these compounds can work by inhibiting metabolic enzymes, interefering with cell wall synthesis and electron transport, altering cell permeability inhibiting nutrient absorption, and interfering with other cellular metabolic pathways (36).

In fact, the antioxidants have been reported to play a major role in increasing the effectiveness of treatments against plant fungal pathogens when combined as adjuvants with (ungleides/37).

Their effect may be due to an increase in membrane permeability, subsequently allowing a greater diffusion of fungicides in cells, or reduced oxidation of intrace lular fungicides resulting in higher toxicity for fungi(38)

Available Interature indicates that the antimicrobial activity of plant is due to the presence of different bioactive compounds in various types of extracts such as flavanoids, tr terpenoids and some essential oils like. Thymol and natural phenolic compounds that are classified as Active antimicrobial compounds (Hasan et al. 1994).

Successful anticipation of various herbal chemical compounds from plant a largely reliant on the type of solvent that were used in the extraction procedure. The customary practioners in our medicinal system suggested water primarly as a good solvent for extraction which has better solubility of bioactive compounds. Later investigations verified that in comparison to water extracts, organic solvents extracts exhibits strong results (Krishana et.al. 1997;Singh L and Singh V.P. 2000; Natrajan et.al. 2003;Natrajan D et.al. 2005).

Flavanoies are least soluble in water which is the primarily phenolic compound in plants and responsible for several therapeutic activity of plants Do Boer et al. 2005).

Several studies have been conducted to shed light on the mechanism of action of several active compounds of plant extracts including essential oilstChang et al. 2001). The crude say, volatile and essential oil extracted from whole plant or specialized plant parts like not, atem, leaves, flowers, fruits and seeds are widely used in preparing the antimicrobial compounds which are significantly used against the different plant pathogens or diseases (Curjar, M.S. et al., 2012).

### **JARSCT**



### International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

Volume 2, Issue 4, June 2022

#### 3.1 Mode of action of Phytochemicals

Sr. No.	Class	Subclass	Mechanism
1.	Phenolies	Simple phenols	Membrane disruption
2.	Phenolic acids	Phenolic acids	Bind to adhesions, complex with rell wall, inactivate enzymes
3.	Terpenoid		Membrane disruption
- 4.	Alkaloids		Intercalate into cell wall
5.	Tannins		Bind to proteins, enzyme inhibition, substrate deprivation
6. Flavanoids - Bind to adhesions, c		Bind to adhesions, complex with cell wall, inactivate enzymes.	
7.	Coumarins		Interaction with enkaryotic DNA
8.	Lectins and Polypeptide		Form disulphide bridges

However, such mechanisms are still unclear although some studies suggested that these compounds penetrare inside the cell where they interfere with cellular metabolism (Maximo et.al.2001). The use of plant products or preparations for control of postbarvest diseases caused by fungi has not received proper attention. Most of such studies, were preliminary but indicated the possible use of preparation of various plants in actual disease control(Ark and Thompson, 1959;Dixit et.al. 1983).

#### REFERENCES

- Indian medicinal plant. P.C. Trivedi. 2009. Avishkar Publishers Distributors.pp. 1-2.
- [2]. Sill, W.H.(1985). Plant protection. Kalyani Publishers, New Celhi, India.
- [3]. Lee, S.H. Chang, K.S., Su M.S. Huang Y.S. and Jang H.D. (2007). Effects of some Chinese medicinal plant extracts on different fungi. Food Control. 8: 1547-1554.
- [4]. Verstagui, A.; Verde, J. Garcia, S.; Herodia N.; Orandy, A and Rivas, C.(2008). Species of Agave with antimicrobial activity against selected pathogenic bacteria and fungi, World Journal of Microbiology and Biotechnology 24:1249-1252.
- [5]. Santas J.: Almanjano, M.F.: and Carbo. R.(2010). Artimicrobial and antiexidant activity of crude Onion(Allium cepa L.) extracts. International Journal of Food Science and Technology 45, 403-409.
- [6]. Lattanzio, V. (2003). Bioactive polyphonols: Their role in quality and storability of fruits and vegetables. Journal of Applied Botany; 77, 128-146.
- [7]. Schena, L., Nigro, F and Ippolito, A. (2008). Natural antimicrobial to improve storage and shelf-life of fresh-fruit vegetables and cut flowers. In: Microbial biotechnology in Horienhaue, vol.2 Science Publishers, Enfield, NH, Ray, R.C. and Ward, O.P. (Eds.), USA, pp. 259-363.
- [8]. Amadiolia, A.C. and Ohi, V.I. (1999). Control of Authraciose disease of Cowpea by Cymbopogon curities and Ocimum gratissium. Acto phytograthology. and Entomology. 85:89.
- [9]. Amadiola, A.C.(2000). Fungitoxic effects of some leaf extracts against Rhizopus oryzae causing tuber rot of Potato, Archieves of phyniqualiol, Planzo 34: 19
- [10] Okigbo, 8 N.(7009). Variation in phytochemical properties of selected fungicidal aqueous extracts of some plant leaves in Kogi State, Nigeria American-Eurasian Journal of Sustainable agriculture 3(3): 407-409.
- [111] Zhang H. and X.Zhang (2005). Biological control of postharyest blue mold of oranges by Cryptocroccus Jaurentii (Kufferath) Skinner. Biocontrol 50: 331-342.
- [12] Meshram A., Bhagyant S.S., Gantam S., Shrivastava N. Potential role of Tinospora cardifelia in pharmacentical sciences 2013;2(6):4615-4625
- [13], Singa S.S., Pandey S.C., Srivastava S., Gupta V.S. Patro B., Ghosa AC. Chemistry and medicinal properties of *Transporta conditolia* (Guduchi). Indian Journal of Pharmacology, 2003; 35:83-91.
- [14]. Sinha K, Mishra N. P., Singh J, Khanqia SPS, Tinospora corditolia Guduchi), a reservoir plant for theraupetic applications: A review. Indian Journal of Traditional knowledge. 2004;3:257-70.



Volume 2, Issue 4, June 2022

### 3.1 Mode of action of Phytochemicals

Sr. No.	of Phytochemicals  Class	Subclass	Mechanism
	Phenolics	Simple phenois	Membrane disruption
2.,	Phenolic acids	Phenolic acids	Bind to adhesions, complex with cell wall inactivate enzymes
3.	Terpenoid		Membrane disruption
	The state of the s		Intercalate into cell wali
4.	Alkaloids		Bind to proteins, enzyme inhibition
5.	Tannins	13 1 20	substrate deprivation
			Bind to adhesions, complex with cel
6,	Flavanoids	-	wall, inactivate enzymes.
			Interaction with enkaryotic DNA
7.	Coumarins		Form disulphide bridges
8.	Lectins and Polypeptide	-	Form distribute to tages

However, such mechanisms are still unclear although some studies suggested that these compounds penetrate inside the cell where they interfere with - cellular metabolism (Marino et al. 2001). The use of plant products or preparations for control of postharvest diseases caused by fungi has not received proper attention. Most of such studies, were preliminary but indicated the possible use of preparation of various plants in actual disease control Ark and Thompson, 1959: Dicit et al. 1983).

#### REFERENCES

- Indian medicinal plant, P.C. Trivedi, 2009. Aviolikur Publishers Distributors, pp. 1-2
- [2] Sill, W.H.(1985). Plant protection. Kalyani Publishers, New Delhi, India.
- [3]. Lee, S.H., Chang, K.S., Su M.S., Huang Y.S. and Jang H.D. (2007). Effects of some Chinese medicinal plant extracts on different fungi. Food Control 18: 1547-1554.
- [4], Versagui, A., Verde, J.;Garcia, S.; Heicdia, N.; Orandy, A and Rivas, C.(2008). Species of Agave with antimicrobial activity against selected pathogenic bacteria and fungi. World Journal of Microbiology and Biotechnology 24:1219-1252
- [5]. Santas, J.; Almanjano, M.F.; and Carbo, R. (2010). Antimicrobial and antioxidant activity of crude Onlon(Allium cepa L.) extracts. International Journal of Food Science and Technology 45, 403-409.
- 161. Lattauzio V (2803). Bioactive polyphenois: Their role in quality and storability of fruits and vegetables. Journal of Applied Botany, 77, 128-146
- [7]. Schena, L., Nigro, F and Ippolito, A (2008). Natural automicrabial to improve storage and shelf-life of fresh truit, vegetables and cut flowers. In: Microbial biotechnology in Horticulture, vol.2 Science Publishers, Enfield, NH. Ray, R.C. and Ward, O.P. (Eds), USA, pp. 259-303
- [8]. Amadioha, A.C. and Obi V.L(1909). Control of Anthracoose disease of Cowpea by Cymbapagan cumius and Ocimum graticsium Acts phytopathology and Entomology 85:89.
- [9]. Amudiolu, A.C.(2000) Fungioxic effects of some leaf extracts against Ithicopus orygae causing tuber rot of Porato, Acelusees of phytopathol, Planze 34:19.
- [10]. Okigbo, R.N.(2009). Variation in phytochemical properties of selected fungicidal aqueous extracts of some plant leaves in Kogi State, Nigeria American-Eurasian Journal of Sustainable agriculture 3(3): 407-409.
- [11]. Zhang,H. and X.Zhangl 2005). Biological control of postharvest blue mold of oranges by Cryptocroccus laurentia Kufferathi Skinner, Biocontrol 50: 331-342.
- [12]. Meshram A. Bhagyant S.S., Gantan S. Shrivastava N. Potential role of Tinospora cordifolia in pharmaceutical sciences 2013;2(6):4615-4625.
- [13], Singh S.S., Pandey S.C., Srivastava S., Gupta V.S. Patro B., Ghosh AC. Oscinistry and medicinal properties of Timespara cos alfolia (Cracuchi). Indian Journal of Pharmacology 2003: 35:83-91.
- 114], Siaha K, Mishra N, P., Singh J., Khannga SPS, Tinospora cordifolia(Guduchi), a reservoir plant for theraupetic applications: A review, Indian Journal of Traditional knowledge, 2004;3-257-70,

Ł



### International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

#### Volume 2, Issue 4, June 2022

- [15]. Sani H.P., Nayak G. Patel S.S., Mishra K. Singh R.P. Pharmacognostic studies of the leaves of *Tinospora conditions*, 31PI Journal of Pharmacognosy and Herbal formulations, 2011; 1:1-6.
- [16]. Promilla. Sushila Singh and Parvesh Devi 2017 Pharmacological Potential of Timespora cordifolia (Wild). Miers exchook and Thomas(Giloy): A review. Z.Journal of Pharmacognosy and Phytochemistry, 6(6): 1544-1647.
- [17]. Jyoti Rani, Lalita Singh, Hoshiyar Singh, Manish Kapoor and Gangadeep Singh. Preliminary phytochemical analysis of different solvent extracts from Leaf and stem of Transpora cardifidia. International Journal of Phytotherapy 2015, Vol.5 (3) 124-128.
- [18] M.F.A. E.I-Matti, S.A.Mahgoub, S.M. Labib, A.M.A.Al-Gaby, and M.F. Ramudan Phenolic extracts of Clove(Synigium aramaticum) with novel antioxidant and antibacterial activities. European Journal of Integrative medicine, vol.8 no.4 pp.494-504,2016.
- [19] A.M.A. Assiri, K.Elbanna, A. Al-Thubiani, and M.F.Ramadan, Cold pressed Oregano(Origonian vidgore) oil: a rich source of binactive lipids with novel antioxidant and antimicrobial properties. European food Research and Technology, vol.242,no.7,pp.1013-1023,2016.
- [20]. M.M.Cowan, Plant Products as antimicrobial agents, In Clinical Microbiology Reviews, vol. 12, no. 4, pp. 564-582, American Society of Microbiology(ASM), 1999.
- [21] A.M.M.Shomeet, A.M.I.E.I.-Samadisy, R.M.A.E.I. Kholy and I.S. Israhim, Effect of lungicides, antioxidants and their mixtures or investigl growth of some fungi. Middle East Journal of Applied Sciences, vol.8 no.2 pp. 645-655, 2018.
- [22]. G.Simonetti, A.Villa, and N.Simonetti, Enhancer contact activity of Flacanzole in association with autioxidants against fluconizole-resistant organisms, Journal of Antinverobial chemotherapy, vol.50.no.2, pp257-259 2002.
- [23] Ermat Dine Tariq Bouhlall, Mgal Deroaich, Reda Meriani and Adil Essarioni, Antifungal potential of phytochemicals against Mauginella scaettae, the plant pathogen causing inflorescence rot of Datenalm, Scientificia, vol.2021, Article. ID 1896015, 8 pages 2021 Research Article. Open access vol.2021/ Article. ID1896015, https://doi.org/10.1155/2021//896015.
- [24] Hasan A., Farman M.Ahmed I.Flavanoid glycosides from Indigofera hebepetaela. Phytochemistry 1994;33:275-276.
- [25]. Krishna K.T., Ranjini C.E. Saxidharan V.K. Antibacterial and antifungal activity of secondary metabolites from some medicinal and other common plant species. J. Life Sciences 1997;2:14-19.
- [26]. Singh Land Singh V.P. Antifungal properties of aqueous and organic solution extracts of seed plants against Expergillus flavus and Aspergillus niger., Phytomorphology, 2000;50:151-157.
- [27] Natrajan E. Senthilkamar S. Xavier F. L. Kalassels i V. Antibacterial activities of leaf extracts of Alongium substitution J. Trop. Med. Plants 2003;4:9-13.
- [28] Natrajan D. Brito J.S. Srinivasan K. Nagmurgan N. Mohansundari C. Perumal C. Amibacterial activity of Euphyrbia fusiforms: a rare medicinal hero-J. Ethnopharmacol. 2005, 102 123-126.
- [29]. De Boer Ell, Kool A., Broberg A., Mairay W.R. Heeberg L.Levenfors J.J Amiliongal and antihacterial activity of some herbal remedies from Tanzania J Ethnophannacot. 2005;96:461-469.
- [30]. Chang S.T. Chen P.F., Chang S.C. Antibacterial activity of leaf essential oils and their constituents from Chimation compliabrium I Ethnophermacal 2001;77:123-127.
- [31], Marino M., Bersani C., Comi G. Impedance measurements to study the antimicrobial activity of essential oils from Lamiaceae and Compositae 2001 Int. J. Pood. Microbiol. 67, 187-195.
- [32] Ark. P.A. and Thompson, J.P.(1959). Antibiotic properties of seeds of wheat and Barley Plant disease Repotr.43:276-282.
- [33] DixitS. Dubey, N.K., Tripatio, N.N. and Dixit.5 N(1983). Cedens Oil-promising storage fungitoxicant Journ, Stored Prod.Res. 19:159-162.
- [34] Gurjar, M.S., Shahid Al., Masood Akhur, Kangabam S.S. 2012 Scientific Research publishing. Visited at Georgie Scholar.

13423

# B. Aadhar

Single Blind Peer-Reviewed & Refreed Indexed

Multidisciplinary International Research Journal

April - 2023

(CDVI) 406- A
THE CONTRIBUTION OF SAVITRIBAI PHULE MAHATMA PHULE, RAJARSHI SHAHU MAHARAJ & DR. B. R. AMBEDKAR TOWARDS NATION BUILDING" (TNB-2023)



Chief - Editor

Director Remark & Development Probable Institute American



Executive-Editor

Reshmwal Arts. Commerce & Science College, Sangaran I'd: Senguan, Dist, Hingali



Editor

Principal Head Department of Sociologic Toshniwal Arts, Commerce & Science Cullone, Semone Tu: Sengaan Dist (Historic



Co-Editor:

Department of Sociology Loginisal Arts. Commerce & Science College, Song-Lo. Sengaon, Dist. Hingo!



- This Journal is indexed in :
- Scientific Journal Impact Factor (SJIF)
- Cosmos Impact Factor (CIF)
- International Impact Factor Services (IIFS)

### B.Aadhar' International Peer-Reviewed Indexed Research Journal State)

ISSN: 2278-9308 April, 2023

### Impact Factor -(SJIF) - 8.632, Issue NO, 406 (CDVI) A

83	डॉ. बाबासाहेब आंवेडकरांचे तैक्षणिक कार्य. डॉ. कृष्णा सुदाम इंगळे	20
88	राजर्षी शाहू महाराजांचे आरक्षण धोरण: एक अध्ययन 💮 डॉ. श्रेकोबा परशुराम ढोले	21
92	महात्मा फुले यांचे समाजसुद्धारणेसाठी शिक्षण विषयक कार्य प्रा. माणिक भिकाजीराव डोखळे	22
98	महात्मा ज्योतीवा फुले यांचे शेती आणि शेतकरी संबंधीत विचार डॉ. विलास बळीराम चव्हाण	23
107	साविजीवाई फुले : ली शिक्षणाच्या अग्रद्त प्रा.वाँ. भागेराव पीविंद पद्माकर	24
109	राजधीं शाहू महाराजांचे शैक्षणिक सशक्तिकरणात योगदान डॉ. प्रा. सुनिता जगन्नाथराव कुकडे	25
113	राजधीं शाहू महाराज एक लोव कल्याणकारी राजा प्रा.डॉ.मधूकर दत्तात्रय ठींबरे	26
118	सावित्रीबाई फुले यांचे शैक्षणिक कार्य (१८३१-१८९७) डॉ. ज्योती एस. दिघाडे	27
122	सावित्रीबाईफुने: एक समाज आदर्श प्राज्ञा. टापरे का.स.	28
125	महात्मा पुले बांचे शती विषयक विचार हों. शिवाणी पाले	29
129	बावामाहेव आंवेडकरांच्या अर्थिक विचार धारा थाँ, मारोनी सिट्टसराव भोससे	30
133	महात्मा कुलेचे शेतकत्यांबद्दल योगदान <b>डॉ. संजय संदिपान चव्हा</b> ण,	31
136	शाह महाराज :आरक्षण विषयक विचार प्रा. <b>डॉ. पांडुरंग किसनराव मगर</b>	32
141	डॉ.बाबासाहेब आंबेडकर ; शैक्षणिक परिवर्तन प्रा.शिदे हेमंत व्यंबक्सराव	33
143	क्रांतीज्योती सावित्रीबाई फुले याचे स्त्री शिक्षण विषयन विचार व कार्य यजानन भिकाशी फुलसाबंगे	34
146	डॉ. बाबासाहेब आंदेडकर सांचे कृषीविषयक विचार व कार्य: एक समाजशास्त्रीय अध्ययन दलित सुभावरान कांबळे, प्रा. डॉ. दीपक धारवाडकर	35
150	राजपी शाह महाराज व वेदोक्त प्रकरण सरस्वती निवृत्ती सोनाळे	36
154	राजधीं शाह महाराज यांचे महिला मलमीकरणातील योगदात भागवत मंचकराव मोरे, प्रा. डॉ. डी. एव. चव्हाण	37
157	डाँ. बाबासाहेब आंबेडकर यांचे महिलाविशयक विविध धोरगे: एक अध्ययन मल्लिका दिगंबर हरदडकर डाँ. डी.एस. धारवाडकर	38
160	सामाजिक बदल आणि वार्थिक उन्नतीस ठी शिक्षण राजवीं छत्रपती शाह महाराजांचा दक्षिकोन आकाश शेषराय बांगर	39
164	छत्रपती शाह महाराजांच्या आरक्षण विषयक धोरगाचा अभ्यास धार्ये गणेश मधुकरशव,डॉ. मोटे अशोक अर्धुनराव	40



Impact Factor -(SJIF) -8.632, Issue NO, 406 (CDVI)

ISSN: 2278-9308 April, 2023

राजर्थी शाहू महाराजांचे शैक्षणिक सशक्तिकरणात योगदान डॉ. प्रा. सुनिता जगन्नाथराव कुकडे, के के. एम. महाविद्यापय मानवत, जि. परभगी . Sunitakukdekkm@gmail.com 9420710101

राजर्षी शाह महाराजांनी महाराष्ट्रात सामाजिक परिवर्तनाचे कार्य केले . अनेक राज्यात बहुसंख्य समाजातीन लोकांना वीर्षकाळ शिक्षण ,राजकीय सत्ता , प्रतिष्ठा चापासून वंचित असलेला बहुजन समाजाला जागृत करण्याचे काम महात्या पूले , कर्मचीर भाऊराव पाटील ,वी . रा. शिंदे , डॉ. बाबासाहेब आंबेडकर यांच्या अरोबरीने मोलाचे कार्य समाजाना प्रक्रम बनवण्यासाठी प्रयत्न केला.कुठल्याही समाजाचा विकास करायचा झाला तर णिक्षणाणिताम पर्याम नाती अशी शाह महारामांचे तीन इच्छा होती . प्रजा सुशिक्षित करणे महत्त्वाचे चाटले . त्यांचा मतौतीण विकासाचा पास पचना . समाज सुधारण्याची अमतेने अमुलास वदल बडवून आराण्यासाठी असक्षम दिला,शाह महाराजांची सत्तेवर आल्याचर शैक्षणिक धोरण चाहीर केले आणि कृतितील उपक्रम राज्यले उदेश :

- १) सामाजिक समस्या जाणून शेणे.
  - २) शैक्षणिक मशक्तिकरणाचा अभ्यास करते.

्हीतरे:

- १) बहुजनांना शिक्षणाचे संधी मिळाली
- २) बहुजनांच्या व्यवसाय व नोकरीत बदलते न्वकण दिसून येते.

### बैक्षणिक सशक्तीकरणाची वावश्यकताः

शैक्षणिक सशक्तिकरण म्हणजे समाज बीवनातील विषमता नष्ट करून समाजातील सर्व घटकांता समान संबी उपलब्ध करून देणे . भारतात विविध धर्म, जात ,पंत ,भाषा यामध्ये विविधता आहे याँकी विषमता मानवाच्या प्रगतीसाठी अडबळा आहे . त्यामुळे मानवी प्रगती ही मानवजातीच्या विकासावर अवलब्द आहे. त्यांचे शेक्षणिक सशक्ती करण होणे गरजेचे आहे.

### 1) खी शिक्षण व स्त्री उद्घार :

भारतीय समाज व्यवस्थेत सर्व जातीतील स्थिन्यांना दुव्यम व दिनिष्ठ स्थान देण्यात आले होते. ख्रियांच्या समस्या अधिक गंभीर स्वरूपाच्या होत्या बालविवाह, विधवा विवाह प्रतिवंध, केशवपन, लैंगिक अत्याचार ,शिक्षण देण्यान वंदी इत्यादी समस्याला सामोरे आवे लागत असत . श्री केवळ उपमोगाची वस्तू मानली जात तिला कोणतेही व्यक्तिस्त्व नक्हते . एकूणच लोकसंख्येच्या तुलतेत अधीं लोकसंख्या असतेल्या ख्रियांना गुलाम दास बनयिले त्याचे मार्ग वंद केले स्हणून ख्रियांसाठी महात्मा फुले सावित्रीवाई फुले यांनी जानाची दारे खूले करून दिली . विधवा विवाहास, वालविवाह, लैंगिक अत्याचारास , हत्या थांवविण्यास बालहत्या प्रतिबंधक कायदा यांची नोय केली जाणि सत्यशोधक वळवळीने ख्रियांचा उद्धार केला.प्राथमिक शिक्षण सक्तीचे व मोफत असा विचार राजर्यी शाह नी १९१२-१३ मध्ये मांडला . 24 जुनै १९१८ ला शाह महाराजांनी जाहीरनामा प्रसिद्ध केला . सक्तीच्या प्राथमिक शिक्षणांची नियमावली ववार करण्यासाठी शिक्षण तज्ञांची सित्री तवार करून सक्तीच्या शिक्षणांचा कायदा केला . कायदांचा उद्धेश स्पष्ट करणांचा शाह नहाराज नमूद करतात कर्मवीर क्षेत्रातील असच्या सर्व प्रवाजनतान लिहिता बाचना वेजन आपली किली ऑक्रम्या नुकारण्या नावारण्या साठी नमर्च क्राव विध्या स्थापन कर्न प्रकारणांचा नावारणां क्रावण्या नुकारण्या कर्मा अपलेश क्षापन कर्मा प्राथमिक श्रीपंचा व्यवस्था सर्वी व मोणित विध्याणांचा नावारणांचा क्षाप्रवाणांचा कर्मा प्राथमित क्षाप्रवाणांचा कर्मा क्षाप्रवाणांचा कर्मा प्राथमित क्षाप्रवाणांचा कर्मा क्षाप्रवाणांचा क्षाप्रवाणांचा क्याप्रवाणांचा कर्मा क्षाप्रवाणांचा क्षाप्रवाणांचा क्षाप्रवाणांचा क्षाप्रवाणांचा कर्मा क्षाप्रवाणांचा कर्मा क्षाप्रवाणांचा कर्याप्रवाणांचा क्षाप्रवाणांचा क्षाप्रवाणांचा कर्याप्रवाणांचा क्राप्रवाणांचा क्षाप्रवाणांचा कर्याच क्राप्रवाणांचा कराणांचा क्राप्रवाणांचा कराणांचा कराणांचा कराणांचा कराणांचा कराणांचा कराणांचांच

2023



### Impact Factor -(SJIF) - 8,632, Issue NO, 406 (CDVI)

या वरिष्ठ अधिक याची नेमणूक करण्यात जाली .मुलींच्या शिक्षणाला प्रोत्साहत दिले , त्यांच्यासाठी स्वतंत्र गाळा काडस्था . समाजाला शहाण करून सोडावचे असेल तर कुटुंबातील व्यीला विसरून कसे चालेल . शाळेतील शिक्षणांनी मुलाबरोबर मुलींनाही शिक्षण धावे ज्या शाळेत जास्त मुली असतील त्या शिक्षणाला सभीस दिले जात . हसार मुलींनसीठी पाच शिष्यवृत्ती ठेवल्या होत्या.महिलांमध्ये मागासवर्गीयातील महिलांचे शिक्षणाची सीय केली होती. निवास व भोजनावी व्यवस्था ही केली होती.शाहू महाराजांनी शिक्षण करण्यासाठी कृतिशील प्रयव केले . राजपीं शाहू महाराजांनी आधुनिक भारताच्या उभारणीत महत्त्वपूर्ण योगदान दिले महणून न्यायमूर्ती वैद्य महणतात, "शाह छत्रपती हे आधुनिक भारताच्या बुलंद आवाज होते केवळ झाम्हण, लविय , वैश्य, शूद्र , अति शूद्र यापैकी कोणत्याही एकाचेच नव्हे तर संबंध देशाच्या सर्व भागातील प्रत्येक ज ती. धर्म , पंथाच्या वरिष्ठ प्रत्येक व्यक्तीचा तो आवाज होता." 1

शाहु महाराजांनी पुराहिताचे वर्षस्य नष्ट करून स्त्री अतिशुद्राचा उद्धार करून त्यांना शैक्षणिक अधिकार गिळवून दिला . बहुजवांसाठी राजकीय सत्तेचा वापर करून अस्पृथ्यता निवारण, अस्पृथ्यांना शिक्षणासाठी त्यांना शाळेत प्रवेश , त्यांच्या विद्यार्थ्यांसाठी वस्तीग्रह बांग्रणे , शिष्यवृत्ती देणे संस्थानात नोकरी, व्यवसाय करण्यास ग्रोत्साहन वेणे क्रत्यादी कार्य हाती घेतली . भटक्या व गुन्हेगार जमातीना गराठा कृणवी क्रत्यादींना सामाजिक श्रेक्षणिक आर्थिक विकासायाठी राखीय जावा ठेवण्यात आच्या . क्षी शिक्षणाचा काणि विश्ववा विवाहाला मान्यता देणारा कायदा करून विग्रवा विवाहास प्रोत्साहन दिले , बाल विज्ञाहास विरोध करून त्यांविष्यक समस्या सोहवस्याचा प्रयव त्यांनी केला. देवदासी, बास्था, मुरळी , जोगतीणी त्यांच्या समस्येता वाचा फोडली आणि त्यांना न्याय ग्रिक्टवून दिला.

### 2) वस्यूरयांनाठी शाळा :

शाह महाराजांनी महाराष्ट्रातील द्यान व वास्ताववर्गीयाची नामाजिक व वानसिकता बदमण्याची करव बाटली , त्यांना सामाजिक गुलामिमिरीतृत युक्त करण्यासाठी सर्वस्वी प्रगत केले, समाजातील अल्पुण्यता जातीचेय दूर करण्यासाठी हरिजनाच्या पंकीत त्यांनी उच्डपणे जेवण केले स्पृण्यासाठी शाळा बाटल्या, अल्पुण्य नुकांना मरकारी शाळेत इतर मुलाप्रमाणे दाखल करून पेण्याचे आदेश दिले . उच्चवर्षीय न खालच्या जातीच्या विद्याच्यांना मिळून मिलळून राहण्याची संधी लाभली. कर्मवीर इल्लाख्यान(जागीरदारी बोंडवून ) अल्पुण्य नोकांच्या मुलासाठी स्वयंत्र शाळा असतात त्या सर्व येत्या दसऱ्यापासून बंद करण्यात याच्यात व अल्पुण्याच्या मुलाम सरकारी शाळेतून इतर लोकाच्या मुलाप्रमाणे दाखल करून घेत आवे वरकारी शाळेतून शिवाशिव पाळण्याचे तसल्याचे सर्व जातीच्या य धर्माच्या मुलाप्रमाणे दाखल करून घेत आवे वरकारी शाळेतून शिवाशिव पाळण्याचे तसल्याचे सर्व जातीच्या य धर्माच्या मुलाप्रमाणे दाखल करून घेत जावे वरकारी शाळेतून शिवाशिव पाळण्याचे तसल्याचे सर्व जातीच्या य धर्माच्या मुलाप्रमाणे दाखल करून घेत जावे थ शाह महाराजांनी अल्पुश्यांना शिक्षणिक प्रगतिचे केलेले लथांन प्रयुक्त खूप मोळ्या प्रमाणामध्ये दिसून येतात.

37.TF	वर्षे	शाळाची संख्या	अस्पृथ्य विद्यार्थ्याची संख्या
()	8568-64	04	<b>?</b> 65
₹)	१९९६-९७	20	262
3)	\$30000	8.4	est.
¥)	8660-66	55	<b>\$35</b>
4)	\$ 4 5 - 5 3 X 3	6.8	£68.
€)	\$ 4 6 3 - 8 A	50	240

### B. Aadhar' International Peer-Reviewed Indexed Research Journal

ISSN: 2278-9308 April, 2023



### Impact Factor -(S)IF) - 8.632, Issue NO, 406 (CDVI)

3. पावरून जसे लक्षात येते की जस्पृश्यांसाठी शाळांची वाढती संख्या एकूण तोकनंख्येच्या तुलनेत अस्पृश्यांचे शिक्षणाचे प्रमाण अस्प बाटत असले तरी शिक्षणापासून वंचित राहिलेच्या समाजासाठी प्रयत्न केलेना दिसतों. कोल्हापूर संस्थानात १९१२-१३ प्रशासकीय अहवालात असे आहे की" पदतिलेत जाती जमातींना राजर्पीशाहूनी ज्या विशेष सवलती उपलब्ध करून दिल्या आणि अस्पृश्यांमध्ये शिक्षण प्रसार करण्यासाठी स्थानिक लोकांच्या संघटनेत जे कमानीचे परिथम घेतले त्यांच्या संकलित परिणाम म्हणजे अत्यजाच्या शिक्षण प्रसारकार्यांची झालेली लक्षणीय प्रयती होय. अमानुष वागणुकीचे दुर्देवी वळी बनलेल्या आपल्या अतिथुदा धर्मबांध्यांना अल्य प्रमाणात का होईना सहानुभूतीचा आणि सहकार्यांचा हात देण्यासाठी उद्धवर्णीय लोक पुढे येत आहेत हे उद्धवर्णीयांच्या मनाला निकटलेली अगसमाजानी किलियांचे करवीर दरबाराच्या शहानपणाचा उद्धार घोरणाच्या प्रभावाने विष्यळून जात असल्याचे द्योतक होय."4. राजर्षी शाहूंनी कर्मवीर संस्थानात अस्पृथ्यांची शिक्षणाची अवस्था पाहिली तेव्हा त्याच्या नवात आले की . शिक्षित केल्याशिवाय अस्पृथ्यांचा उघ्दार होणार नाही त्यामाठी मागासवर्णीयांना प्रत्साहन देणारे ताहू महाराज होते . त्यांची अंमलबजावणी करण्यास त्यांना स्ववात केली १९०३-०४ कोल्हापूर संस्थानात एकूण शाळा संख्या २४५ होती . १९२२- ५८८ एवडी होती विद्यार्थी संख्या १८८०० विद्यार्थी शिक्षण घेत होते . तर १९२२ मध्ये २१००० विद्यार्थी संख्या होती.अस्पृथ्य महार ,मांग ,फासेपारधी, वडार , बांभार इत्यादी जाती जमातींच्या मुलांना शिक्षणाच्या प्रवाहात आण्याचा प्रथव केला होता.

३) वसतिगृहः

अस्पृथ्यांच्या विद्यार्थ्यांसाठी राजधीं शाह महारायांनी खाजसी खर्णातृत तीन व दरबारच्या खर्णातृत चार उशी एकूण सात वसतिगृह काढती. ती रजपूतवाडी केंग्रा ,स्टेशन ,बेएला, ककरी केंग्रा, सिसवलाई वस्तीगृह आणि आर्यसमात गुष्कुलहाऊस वस्तीगृह, डोर चांभार तथा इंदुमती राणीसाहेब वसतिगृह ,क्सतिगृह पंढरपूर वारिवाय सोमयंशी डिस्प्रेड क्लास बीडिंग हाऊस नाशिक चोंबामेळा बोडिंग हाऊस नागपूर था दोन अस्पृश्य पस्तीग्रहणांना प्रत्येकी पाच हजार रुपये देणगी राजधीं शाहुंनी दिली ,त्या यस्तीगृहातून बहुजनांना राहण्याची सोय खानवाधिण्याची सोय या मूलभूत गरजांच्या पूर्तता त्यांनी केली व शिक्षणांना अतिशय महत्त्वाचे रभान दिले , त्याचवरोवर " साधी व शिष्यवृत्ती योजना ही राजधीं शाहु महाराजांनी घोषित केली "5.

### ४) उच्च शिक्षण ,व्यवसाय शिक्षण आणि नोकरनरती:

प्राथमिक विक्षणावरोवरच महाराजांनी उच्च शिक्षण व व्यवसान विक्षणाची चालता दिली १८८१ मध्ये कोल्हापुरात एका इंग्रजी शाळेचे रूपांचर इसवी पत १९१८ मध्ये राजाराम महाविद्यालय केले .या महाविद्यालयाच्या साध्यमातून उच्च शिक्षणाच्या विकासाला जालना किली, तसेच समाजायध्ये व्यावसायिक विश्वणालाही महत्व दिले .तांत्रिक शिक्षणाची आचड निर्माण करण्यासाठी म्हणून "जयसिंगराव घाडांगे टेक्निकल " ची स्थापना केली.या इल्टिट्यूटच्या साध्यमातून चौहारकाम, गर्वडीकाम ,सुवारकाम नासारको व्यवसाय शिक्षण दिले . विद्यार्थ्यांना विविधजंगी विकास व्हावा म्हणून त्यांनी प्रयक्ष केला.राज्यों शाहु महाराजांनी "१९१७ सालीआपण्या नष्करी फीआत चार अस्पृश्यांची नेमणूक केली त्यांपैकी दोधे महार होते तर दोधे मांग होते" 6

व्यवसायाच्या संदर्भात राजर्षी शाहू महाराजांनी शंगाराम कांबळे कोल्हापूर या नावाने "सत्य सुधारक हाँटेस " काढले या हाँटेनला स्वतः राजर्षी शाहू बात व जहां घेऊन सोवत असलेल्या ब्राह्मण ,मराठा जातींच्या सर्व मंडळींना त्याच्या आवहाने जहां पाजत, 7

अध्रहान कहा राज्या । सर्व जातीतील लोकांमधील वैचारिक दारिद्ध विषयक विचार मनावृत काबृत टाकण्याचा प्रयट राजर्षी शाह महाराजांनी केला.सरकारी सेवात अल्पृश्याच्या नेमणूकी केल्या जातात यासाठी शाहंनी खास हक्ष्मही काढला होता "कस्पृश्य जातीच्या लोकांसाठी तलाठी नेमण्याबहुत अलहिदाहुकूम देण्यात आला . सदर लोकारेकी वे लोक आपले कर्ववतारीनी व बृद्धिने पढ़े वेतील त्याम भाग कारकृत व अञ्चल कारकृत अशा एकारच्या जागा देण्यात वालात . 8



### Impact Factor -(SJIF) - 8.632 Issue NO, 406 (CDVI)

ISSN: 2278-9308 April, 2023

### ५) मुस्लीम शिक्षणासाठी प्रयत्न :

सर्व जाती वर्गापुत शैक्षणिक पृष्ट्या मागासलेल्या मुस्लिम वर्गाला शिक्षण देण्याची शाहू महाराजानी मुस्लिमांच्या 10 विद्यार्थ्यांना मराठा बोटिंग मध्ये प्रवेश वेऊन मुस्लिमांच्या शिक्षणाला सुरुवात केली . पुढे इसवी सन 1906 मध्ये मोहम्मेडन एज्युकेशन सोसायटीची स्थापना करून महाराज स्वतःच अध्यक्ष झाले.

### सारांश:

भारतीय शैक्षणिक इतिहासामध्ये छत्रपती शाह महाराजांचा शैक्षणिक सशक्तिकरणात सिंहाचा बाटा आहे. बहुजनाच्या शैक्षणिक कांतीला शाह महाराजांच्या धोरणापुळे बळ मिळाले यामध्ये दुवत नाही .छत्रपती शाह महाराजांच्या शैक्षणिक धोरणाचे अंगलनजानणीआजही प्रमाणिकपणे केल्यास शैक्षणिक प्रयासाला पापेकाही गली निळेल. परंतू सध्याचे शैक्षणिक धोरण,राजकीय नेल्यांमध्ये असलेली निभिन्नता, धर्म व शिक्षणाचे सांगढ , शिक्षणाचे खाजगीकुरण ही गंभीर व चिंताजनक बाब आहे. याचे गंभीर परिधाम पुढील पिटीला भोगावे लागतीत हे निश्चित .

### संदर्भ सूची:

- डॉ. भामरे सर्जेराव ( 2013 ) अखिल महाराष्ट्र इतिहास परिचय संशोधन सक यशवंत महाविद्यालय नांदेड पुक्र 335.
- 2. पवार जनसिंगराव (संपा) (2001) : राजवीं शाह स्थारक ग्रंथ कील्हापुर महाराष्ट्र
- मूर्यवंशी क्. गी(1984) : राजर्षी शाहः राजा व माध्य पुणे ठोकळ प्रकाणन पुणे प . ≭ . 383 .
- 4. किसा पु. क. 73.
- 5. पवार जयसिंगराव(2001) :राजधीं शाह स्मारक ग्रथमहाराष्ट्र इतिहास प्रवोधिनी पु.क.74
- धाटावकर भास्कर(1988) :राजर्षी शाह छत्रपती चे निवडक आदेश भाग एक मुंबई पुराभिलेख विशास, महाराष्ट्र राज्य मुंबई . प्.क.137.
- 7. शिकें दादासाहेब मल्हारराव(1976) :"दलितांचे राज्य " साळ्के पी.बी.राजर्षी शाह गौरव ग्रंथ मुंबई ,महाराष्ट्र शिक्षण विभाग सचिवालय प्र.क.505.
- जामखेडकर अ. प्र. (1989) राजधीं शाह छत्रपती निवडक अदेश बाग 2 मुंबई पुराभिलेखन विभाग महाराष्ट्र राज्य प्र.क. 20.

Durgosh Ravande <durgeshravande@gmail.com>

### JEAM ADVISORS - CONFIRMATION OF PROGRAM FOR WOMEN'S FINANCIAL EMPOWERED PROGRAM DATE OF 17th april 2023 AS ON TIME 11:30 am

MA 92-8, 62-9 AM

Advisors Org <admn.acvisomorg@gmail.com> To: durgestravands@gmail.com

Thu. Apr. 6, 2023 at 12:10 PM

Kind Attention: Dr. Durgesh Rayance

Thankyou for accepting our proposal of Seminar on "WOMEN'S FINANCIAL EMPOWERED FROGRAM (FINANCIAL WELLNESS ENHANCEMENT }" for your Women Staff {Teaching + Non Teaching} Members . We are very excited to deliver this amazing session to your valuable Team. It will definitely help to set a goal of finance management, Understand retirement planning or finance management discipline planning. As discussed, all the topics will be covered in the training seminar session.

: Seminar on : " WOMEN'S FINANCIAL EMPOWERED PROGRAM (FINANCIAL WELLNESS

Topic ENHANCEMENT)"

Date

: 17th April 2023

: 11:30 AM to 12:30 Pm

Participants

: Minimum 30-40 ( Women Staff )

Seminar Duration : 55 min Session

Seminar Place

: Conference Hall

Seminar Fees

: Free of Cost

Seminar Description : Participants required a smartphone or Laptop / FC and must install 200m Application Before Program. After the training program requires List Of Participants with { name, contact details & Email ld }

Kindly send confirmation mail from your side mentioned with Women's Empowerment Program ( Date, Time & No of Participants )



Ms. Sana Call - 09322977690 / 08087757131

Fram Paradise Near Western Bakery .Pune- 48

dmin@ad risorsorg.com

www.advisorsory.com

grafi Ravando <durantravando@grafi com>

Sex Footing

Thu Apr 6, 2023 iii 1 22 PM

655

6

65

6

6

6



### Impact Factor -(SIIF) - 8.532, Issue NO, 406 (CDVI)

### ५) सुरलीम शिक्षणासाठी प्रयक :

सर्व जाती वर्गातून शैक्षणिक बृध्द्या मानासलेल्या मुस्लिम बर्गाला शिक्षण देण्याची शाह महाराजांनी मुस्लिमांच्या 10 विद्यार्थ्यांना मराठा बोर्डिंग मध्ये प्रवेश देऊन मुस्लिमांच्या शिक्षणाला मुख्यात केली . पुढे इसवी सन 1906 मध्ये मोहम्मेडन एज्युकेशन सोसायटीची स्थापना करून महाराज स्वतःत अध्यक्ष साले.

### सारांश:

भारतीय शैक्षणिक इतिहासामध्ये छत्रपनी शाहू महाराजांचा शैक्षणिक सशक्तिकरणात सिंहाचा बाटा आहे . बहुजनाच्या शैक्षणिक क्रांतीला शाह महाराजांच्या घोरणामुळे बळ पिळाले यामध्ये युमत नाही .छत्रपती शाह महाराजांच्या शैक्षणिक धोरणाचे अंमलवजावणीआजही प्रमाणिकपणे केल्याम शैक्षणिक प्रयासाला यापेकाही पती मिळेल, परंतू सध्याचे शैक्षणिक धोरण,राजकीय नेत्यांमध्ये असलेली विभिन्नता, धर्म व शिक्षणाचे सांगड . शिक्षणाचे खाजगीकुरण ही गंभीर व चिंताजनक बाब आहे .याचे गंभीर परिणाम पुढील पिढीला भौगाचे लागतील हे निश्चित .

### संदर्भ सची:

- 1. डॉ. भामरे सर्जेराव ( 2013 ) :अखिल महाराष्ट्र इतिहास परिषद ,संशोधन सन पश्चतं महानिद्यालय नांदेड .पु क . 335
- 2. पवार जयसियराव (संपा) (2001) : राजधी बाहु स्मारक ग्रंब कोव्हापूर महाराह .
- 3. सूर्यवंश्री कृ. गो(1984) : राजधी शाह: राजा च माण्स पुगे जोकात प्रकाशन गुगे 9.苯、383、
- 4. किता पु. क. 73.
- 5. पदार जबसिंगराव(2001) :राजपीं शाह स्मारक ग्रंथमहाराष्ट्र इतिहास उद्योगिनी.
- धाटावकर भास्कर(1988) :राजर्षी शाह छत्रपती चे निवडक आदेश भाग एक मुंबई पुराभिलेख विभाग, महाराष्ट्र राज्य मुंबई . पु.क. 137.
- 7. शिकें दादासाहेब मल्हारराव(1976):"दनितांचे राज्य " साळुके पी.बी.राजारी शाह गौरव ग्रंथ मुंबई ,महाराष्ट्र शिक्षण विभाग सचिवालय पु. इ.505.
- 8. जामखेडकर अ. प्र. (1989) राजधीं शाह खत्रपती निवडक आदेश भाग 2 मुंबई पुराभिलेखन विभाग महाराष्ट्र राज्य पृ.क.20 .



### INTERNATIONAL JOURNAL OF RESEARCHES IN SOCIAL SCIENCE AND INFORMATION STUDIES

VMS RESEARCH FOUNDATION www.ijrssis.in

### 3HABANI BHATTACHARYA'S HE WHO RIDES A TIGER: A CRITICAL REVIEW

Subhash Kishanrao Shinde Head Department of English, KKM College, Manwath District Parbhani

Communicated: 12.01.2023

Revision: 18.02.2023 Accepted: 21.03.2023

Published: 30.05:2023

#### ABSTRACT:

He Who Rides A Tiger, written by the renowned post-independence Indian novelist Bhabani Bhattacharya, focuses on how racial and class inequality pushes a protagonist away from morality and towards vengeance. When that emotion begins to entrop him in a never-ending cycle of suffering and agony, his confession saves him and gives him the ultimate victory over himself. His writings make obvious the novelist's worries with the social political, economic, cultural, and spiritual issues that India was experiencing shortly after gaining independence from the British. The purpose of He Who Rides A Tiger is to show how the religion and the caste system both are false. A dramatic sequence of events demonstrates the crucial spiritual direction that emerges in times of crisis, even if one is provoked to feelings of retaliation and caught in one's own trap.

Keywords: Religion, Caste, Revenge, Hunger, Exploitation

Author and novelist Bhabani Bhattacharya is renowned for portraying contemporary India during a time of change and rapid development. He is concerned with the truths of contemporary society, its problems, and their causes. He does not believe in 'art for art's sake'. The innovative work of Bhabani Bhattacharya is directly related to a critical period in a new nation's development. Both India's recent acquisition of freedom and the massive freedom movements that came before it had significantly altered society. The people's severe sufferings, mental anguish, and humiliation brought on by economic issues and the social evils of caste discrimination were leading them away from the cherished dreams of freedom fighters in a number of different directions. In fact, a growing political, religious, and cultural consciousness in India is closely related to the growth of novels. Bhattacharya's novels reflect his concern for India's current issues. A Goddess Named Gold (1960) is concerned to demonstrate the true meaning of freedom and the exploitation of the simple and innocent villagers by the greedy.

So Many Hungers! (1947) is about men's hungers against the backdrop of the Bengal famine and the Quit India Movement; Music for Mohini (1952) dramatizes the conflict between the old and new ways of life; He Who Rides A Tiger (1954) deals with the issues of hunger, poverty, and caste.

in 1967, Bhabani Bhattacharya was given the Sahitya Akademi award for his novel entitled Shadow from Ladakh (1966). This novel won the award because of his innovative way of handling the English language, which made it suitable for giving expression to the local feelings of a Bengal village. Additionally, Bhabani Bhattacharya's eye for details and flair for history combined together with his full awareness of the contemporary social, political, economic, and cultural problems.

The two most significant people in Bhabani Bhattacharya's life were Mahatma Gandhi and Rabindranath Tagore, both of them were prominent figures in their time. Their influence on the novelist could be seen clearly in all of Bhattacharya's novels. Bhattacharya was a

Original Article

lifelong admirer of Rabindranath Tagore and used many of his ideas in his works. Bhattacharya, who, being the contemporary of Tagore and Gandhi, was one of the first people to recognize the potential for religious and spiritual manifestations in human behaviour. He shared their view that human beings' fundamental characteristic is their religious affiliation. Human beings are the pinnacle of God's creative endeavours and were made in the divine likeness. Therefore, just like all of Bhabani Bhattacharya's other works of fiction, He Who Rides A Tiger illustrates how essential spiritual qualities of man can ultimately prevail, even when faced with the gravest of difficulties. The book He Who Rides A Tiger sheds light on the deprayed practices of a false religion that is both empty and pretentious. This religion takes advantage of the blind faith of innocent poor people, and it is also used as a tool to rob wealthy, corrupt people in order to put their troubled conscience at ease. He Who Rides A Tiger, much like So Many Hungers!, shows clearly the author's preoccupation with hunger; however, in this book, the emphasis is placed more on the moral wrongness of discrimination based on caste in addition to discrimination based on economic status. Poor people's hearts are filled with rage and a desire for vengeance due to the callous attitudes of wealthy and highcaste people.

In spite of his low caste, Kalo, the devoted father of a daughter named Chandralekha who had lost her mother, had lofty goals and expectations for his daughter's future. Even though Chandralekha experienced discrimination at school because of her low caste as she was growing up, the Bengal famine in 1943 had many more unhappinesses in store for both her father and herself. Chandralekha's father Kalo died of starvation. He was forced to leave the village in order to find work in the city, but the meager thefts he committed in order to satisfy

his hunger got him sent to jail. The daughter Chandralekha also travelled to the city, and once she arrived, her father located her in the brothel, where he was also forced to wor as a pirnp, and he was able to rescue her just in time. Kalo was filled with rage and frustration, which led her to the feelings of vindictiveness. At that moment, he recalled a trick that his fellow inmate Biten had taught him to fool people of high caste and wealth. First, he transformed himself into the revered priest Mangal Adhikari, who received respect and genufication from the upper and middle classes. In spite of the fact that the myth of caste and superiority was shattered in his hands, he continued to uphold it and use it as a source of strength. Was he using it as a defense against himself? Or perhaps the sacred thread that he wore across his chest grid his most inner soul as well.

Kalo gradually started enjoying his role and identified himself with the role. Lekha, too, got uplifted in her spiritual status, as she was advertised as the mother of seven blisses and capable of doing miracles. Still, his heart was with the poor and needy in society, and he had to change the old tradition of offering Lord Shiva's used milk to the holy river in the temple. He started giving support to temple gardener to provide milk to the hungry children of the neighborhood. Another step he took in breaking tradition, was to give shelter to Obhijit, a destitute boy. Lekha, however, felt suffocated. When Lekha adopted the orphan boy, Obhijit, the name of her unborn brother, the tension between the father and daughter reached at a high point. The fraudulent behaviour and lie became like a tiger, even when he developed in him the feeling of guilt, Mangal Adhikari could not get down from it.

On the day of Yagna. Kalo confessed his real story before the large gathering. The people of his caste rejoice at this. Lekha, too, was elated at this turn of events. To her, their roles in the

Original Article

temple were as oppressive as the hold of the brothel. Kalo's confession struck at the root of the false belief of the superiority of Brahmins and the rich. He was freed from the fake olea imposed upon him from time to time and qualms of conscience. From the role of honest blacksmith and affectionate and proud father that he loved, he became a thief, a pimp, and then a fake priest. Kalo fought the unjust social system, where human dignity and honour were devalued and man was compelled to become savage and wicked. So, Kalo's turning into Mangal Adhikar was not only to earn living but to attack back at those who hurt him and the strong feeling of revenge. With the objections raising their heads and Lekha's decision to be Motichand's fourth wife made him question himself his real motives, and he decided to tear the mask of fraud and hypocrisy.

He Who Rides A Tiger has a similarity with The Guide (1958) of R.K. Narayan, as both the protagonists pose as priests. Bhattacharya's social commitment is obvious at the end of the novel, the protagonist's real purpose was to teach a lesson to society for his humiliation, not to hoard money or power. The power of spiritual inheritance, even in the so-called lower section of society, emerges in the moment of crisis. This is one of the great messages conveyed through the artistic presentation of the emotional upheavals of characters in the novel.

Like the caste system and superstitious beliefs, Bhattacharya's novels show the transition period of India, when after a long time, the newly free country had to find its path, retaining many of its precious cultural and traditional values inherited from the past while rejecting many obsolete customs and western onslaught of materialistic attitudes.

Not only the misery of the poor, the novel records the gap between the rich and poor, affluence and extreme hunger, as well as, the callous attitudes of the rich and corrupt. Since society has labelled Kalo as a thief, a convict, and an immoral trafficker, out of indignation he decided to expose the hollowness of their religion. When he gets success, he, too, starts enjoying tiches and power. Still, inside him, he could hear the roar of the cries of Bengal.

His book centers on the evils and problems as

well as the author's balanced approach to life,

which is demonstrated dramatically through various scenarios in place of straightforward assertions. Bhabani Bhattacharya through the pertrayal of some of the revolting realities of contemporary Indian society, how such cruel practices lead to the rejection of the long-cherished moral values of otherwise virtuous and honest people. The centuries-old custom that formed the basis of Kalo's internal climate is the target of his decision to wage war. Kalo. the protagonist. becomes representative of all the marginalized people who suffer innumerable humiliations in society by fighting against the powerful and privileged and exposing them to show their real faces to themselves. Ultimately depicting the essential nobility of his soul and heart by renouncing the high position, he demonstrates the eagemess of the novelist to present an aspect of an ideal character. Kalo's story depicts the novelist's desire to present an aspect of an ideal character, acting as a mirror to represent the realistic picture of the society.

#### REFERENCES :

Bhattacharya, Bhabani. He Who Rides A Tiger.
Arnold-Heinemann Publishers Pvt. Ltd.,
1977.

Gupta, Monika. The Novels of Bhabani Bhattacharya. Atlantic Publishers and Distributors, 2002.

Singh, Jitendra Prasad. The Novels of Bhabani Bhattacharya: A Historical and Sociclogical Study. Sarup Book Publishers, 2012. Special Issue



IMPACT FACTOR - 5.61

# LangLit



An International Peer Reviewed Open Access Journal

क्षि बर्द्ध मानण विकास सेवा भावी विद्वारा तमसो मा महात्मा फुले One day National E-Conference on

"Women's Literature: Past. Present and Future" Jointly Organised by Department of English & Internal Quality Assurance Cell (IQAC)

## Mahatma Phule Mahavidyalaya, Kingaon

Tq. Ahmedpur Dist. Latur on the Occasion of International Women's Day Date: 10th March 2023

### **EDITORS**

Dr. Bodke B. R.

Pricipal Mahatma Phule Mahavidyalaya, Kingaon Dr. Somuse A. J.

Head, Dept. of Englisah Mahatma Phule Mahavidyalaya, Kingaon

Dr. Swami P. S. Assistant Professor.

Dept. of English, Coordinator, IQAC Mahatma Phule Mahavidyalaya, Kingaon

# LangLit

An International Peer Reviewed Open Access Journal





One day National Conference on

"Women's Literature: Past, Present and Future" Jointly Organised by Department of English & Internal Cuality Assurance Cell (IQAC) on the Occasion of International Women's Day



## Mahatma Phule Mahavidyalaya, Kingaon

Tq. Ahmedpur Dist. Latur Date: 10th March 2023

Women's Literature: Past, Present and Future

### Contents

Sr. No.	Title Of The Article	Author	
1	The Study Of Indian Feminism Concept And Issues	Akade Atish Chandrakant	
2	Feminist Interpretation: Attainable Through Dhvani Theory	Akash Sadanand Naik Salgaunkar	
3	Ferninism Origin And Development	Amit Shrivastav	
4	Indian Feminism: Concept And Issues	Bais Sunita Manoharrao	
5	Role Of Community Radio In Women Empowerment In India: A Study	Beant Singh	
6	The Tale Of The Indian 'Other': Reading Kunzang Choden's The Circle Of Karma	Chayanika Roy	
7	Women Safety And Cyber Crimes	Dilnaz Banoo	
8	Feminism In Indian Women's Fiction	Dr. Inamdar M. M.	
9	The Portrayal Of Maladies Of Immigrants In Jhumpa Lahiri's Interpreter Of Maladies	Dr Omprabha Arjun Lohakare	
10	Confession And Love In Kamala Das' Poetry	Dr Subhash K. Shinde	
11	Analysing Dalit Feminist Voices In Premchand's Creations	Dr Surender Singh	
12	Gender And Femininity In Virginia Woolf's "Mrs Dalloway		
13	Women Struggle For Identity : A Brief Study	Dr. Anowar Hussain	
14	Issues Of Gender Inequality In India	Dr. Baupinder	
15	Theme Of Rehabilitation In Sudha Murty's Three Thousand Stitches: A Feminist Perspective	Dr. Harish Subhash Ghodekar	
16	The Study Of Changing Role Of Woman In Today's Commerce Field.	Dr. Hemant Anil Joshi	
17	Women's Writing In India	Dr. Jyoti Aadhar Chaudhari	
18	Exploring The Inner Voice Of Women In Her Stories	DR.KAVYA.B	

Special Issue

1

10th March 2023

Website: www.langlit.org

Contact No.: +919890290602

One day National Conference on "Women's Literature: Past, Present and Future" Jointly Organised by Department of English & on the occasion of International Women's Day at Mahatma Phule Mahavidyalaya,

Kingaon Tq. Ahmedpur Dist. Latur Indexed: ICI, Google Scholar, Research Gate, Academia.cdu, IBI, HFC, DRJI, The CiteFactor, COSMOS PP

-

# LangLit

# An International Peer-Reviewed Open Access Journal



## Confession and Love in Kamala Das' Poetry

Dr Subhash K. Shinde Assistant Professor and Head, Department of English KKM College, Manwath

### Abstract:

The lyrical cult of Kamala Das is founded on her experiences as a woman in society and her refusal to adhere to the rules established by males. The poetry of Kamala Das are examples of confessional rudiments with authentic details and she confronts the customary way of life that renders women invisible. Ecofeminism is a movement that advocates for women's and nature's equality. Kamala Das intended to disprove the myth of platonic love by providing a new definition of love that reflected her own experiences and pain.

Keywords: Love, Confessional, Patriarchy, Kamala Das, Poetry

Kamala Das was born in Punnayurkulam, Kerala, on March 31, 1934. Her mother was the famous Malayalam poetess Balamani Amma. Her father, V. M. Nair, worked for an American corporation in Calcutta and was a highly successful manager there. He later became the editor of *Mathrubhumi*. Kamala went to St. Cecilia's School in Calcutta and schools in Punnayurkulam and Trichur when she was young. In February 1949, she was married to Madhav Das who after his retirement from the position of Executive Director of the Reserve Bank of India, got a UNO posting in Sri Lanka. The Das family spent most of their time in Bombay but they also spent some time in Calcutta and Delhi.

Kamala Das wrote on women's freedom, unlike most poets, who preconceived their themes. Her poetry conveyed intense emotions, real pain, spectral fluctuations, bodily images and so on. Kamala Das inspired young women to reject the victim role and resist the sex exploiter's attempts to passivize and marginalize women.

Kamala Das' poetic cult is based on her experiences as a woman in society and her refusal to follow the rules set by men. Her poems are about the female self and the dryness of love in a

Special Issue Website: www.langlit.org

66

10th March 2023

One day National Conference on "Women's Literature: Past, Present and Future" Jointly Organised by
Department of English & on the occasion of International Women's Day at Mahatma Phule Mahavidyalaya,
Kingaon Tq. Ahmedpur Dist. Latur

Indexed: ICI, Google Scholar, Research Gate, Academia.edu, IBI, IIFC, DRJI, The CiteFactor, COSMOS

# LangLit

ISSN 2349-5189



## An International Peer-Reviewed Open Access Journal



society where men are in charge. She tried to go against all the rules that made it hard for women to be independent in society. Her poems use a variety of symbols to show how a woman's inner fire burns with rage against patriarchal cruelty and hostility. Kamala Das took a very unique approach to her writing. Instead of trying to hide the bad hings that happened to her, she used her poetry to attack the cruel culture of patriarchy. She painted a picture of women that showed them as they really are, not as weak people who want to be on their own. In her writing, she talked about the problems, stereotypes and unfairness that women face in society. Indian English writing has always had many different parts and Kamala Das has given her readers a new way of looking at the human mind. In her poem An Introduction, she writes:

"I was child, and later they
Told me I grew, for I became tall, my limbs
Swelled and one or two places sprouted hair.
When I asked for love, not knowing what else to ask
For, he drew a youth of sixteen into the
Bedroom and closed the door." (Das 148-149)

In above lines, she does not merely recount the events of her own married life; rather, she endeavors to tell the tales of the lives of all the women in India. Her complaints and sufferings are the complaints and sufferings of every woman in her nation.

Her poems showed how fierce she was and gave her a safe way to get her feelings out. Because of this, her poems are examples of confessional rudiments with real details. Her early poems were about how she wanted to be her own person which later turned into a rebellion against patriarchy. She wrote beautiful poetry with many layers of meaning and tried to be independent in society. In her writing, she doesn't shy away from talking about sexuality or expressing what a woman wants. As a writer, Kamala Das challenges the traditional way of life that makes women seem like they don't exist and puts them in the background.

Special Issue

Website: www.langlit.org

67

10th March 2023 Contact No.: +919890290602

60

Gil

91

One day National Conference on "Women's Literature: Past, Present and Future" Jointly Organised by Department of English & on the occasion of International Women's Day at Mahatma Phule Mahavidyalaya.

Kingaon Tq. Ahmedpur Dist, Latur

Indexed: ICI, Google Scholar, Research Gate, Academia.edu, IBI, IIFC, DRJI, The CiteFactor, COSMOS

IMPACT FACTOR - 5.61

# LangLit

An International Peer-Reviewed Open Access Journal



In the poem An Introduction, Kamala Das expresses her complete dissatisfaction with her marriage and its devastating effects. This is an open protest against her egocentric husband who does not consider anything other than the satisfaction of his sexual urges. One can observe it in the following lines from the poem An Introduction:

"He did not beat me

But my sad woman-body felt so beaten.

The weight of my breasts and womb crushed me.

I shrank Pitifully.

Then ... I wore a shirt and my

Brother's trousers, cut my hair short and ignored

My womanliness. Dress in sarees, he girl

Be wife, they said. Be embroiderer, be cook,

Be a quarreller with servants. Fit in. Oh,

Belong, cried the categorizers. Don't sit

On walls or peep in through our lace-draped windows.

Be Amy, or be Kamala. Or, better

Still, be Madhavikatty. It is time to

Choose a name, a role. Don't play pretending games.

Don't play at schizophrenia or be a

Nympho. Don't cry embarrassingly loud when

Jilted in love ... I met a man, loved him. Call

Him not by any name, he is every man

Who wants a woman, just as I am every

Woman who seeks love. In him . . . the hungry taste

Of rivers in me . . . the oceans' tireless

Waiting." (149)

In her writing, Kamala Das has spoken out against the ways men treat women unfairly, as well as the social, cultural, spiritual, moral and physical problems that women face. She uses the body as a symbol to show how a woman feels about how society treats her and she also uses the body as an allegory to show how bad the men around her are. Das says that a woman's body is a symbol of her freedom and that men have taken away her freedom. As a result, Das says that women have nothing in society. As she thought that the female body was holy and caring, all of her work was about freeing the female body from patriarchy which was bound to trap women. Ecofeminism talks about a number of issues that have to do with

Special Issue

Website: www.langlit.org

68

10th March 2023 Contact No.: +919890290602

One day National Conference on "Women's Literature: Past, Present and Future" Jointly Organised by Department of English & on the occasion of International Women's Day at Mahatma Phule Mahavidyalaya, Kingaon Tq. Ahmedpur Dist. Latur

Indexed: ICI, Google Scholar, Research Gate, Academia.edu, IBI, HFC, DR,JI, The CiteFactor, COSMOS



# An International Peer-Reviewed Open Access Journal



women's freedom and says that women are helpless victims of patriarchy. Ecofeminism recognizes that women and nature are not treated equally, so, it fights for equality for both.

In her another poem *The Old Playhouse*, she discusses the female body as a site for patriatchal endeavours that have corrupted the idea of woman as a self-sufficient individual:

"You were pleased

With my body's response, its weather, its usual shallow Convulsions.

You dribbled spittle into my mouth, you poured Yourself into every nook and cranny, you embalmed

My poor lust with your bitter-sweet juices.

You called me wife, I was taught to break saccharine into your tea and

To offer at the right moment the vitamins.

Cowering Beneath your monstrous ego I ate the magic loaf and became a dwarf." (151)

Das discusses the servitude women must endure, the ardent sterility of men, the wants of the feminine body and so on. Many critics who attempted to understand the poems of Kamala Das discovered that her sexism was not merely patriarchal and that her obsession with nature, birds, and trees affected her views on women. Her writing style is quite forceful, and she rebelled against patriarchal crimes in an unorthodox manner. In a number of her poems, the ecofeminist perspective, her efforts to emancipate women, unconventional expressions of love and sexual imagery are evident.

Through her works, Kamala Das sought to refute the myth of platonic love by introducing a new definition of love. She depicted love as beyond the banal sense of platonic love; she did not merely portray it as something phallic. Throughout her works, she captured her own feelings and anguish, as well as her endless efforts to realize the concept of eternal love as meaningless and the ethos of being a woman. She chastised men for exploiting the meek and delicate nature of women due to their haughty masculinity, and she developed ecofeminist viewpoints to better comprehend the subjection women experience in society. In this regard, P. Mallikarjuna Rao says,

"As she concerns herself with various facets of love, her love poetry can be divided into two phases. While in the first phase her obsessive concern with physical love is

Special Issue

Website: www.langlit.org

69

10th March 2023 Contact No.: +919890290602

One day National Conference on "Women's Literature: Past, Present and Future" Jointly Organised by Department of English & on the occasion of International Women's Day at Mahatma Phule Mahavidyalaya, Kingaon Tq. Ahmedpur Dist. Latur

Indexed: ICI, Google Scholar, Research Cate, Academia.edu, IBI, HFC, DRJI, The CiteFactor, COSMOS



-

-

-

-

-

restrates and a second

-

10

# LangLit

## An International Peer Reviewed Open Access Journal



quite prominent, in the second, her drift towards ideal love can be discerned. By ideal love she means the kind of relation that exists between the legendary Radha and Krishna. She yearns for such a love which does not impede her impulse to freedom."

(58)

Kamala Das is a modern and Indo – Anglian poetess. She is highly sensitive and feminine. She focuses on the sensitivity of her mind in her poems. Confession and love are predominant themes of her poetry. She expressed her feelings freely through her poems.

### Works Consulted

Bhatnagar, Manmohan K. Editor. Indian Writing in English Vol. IV. Atlantic Publishers and Distributors, 1999.

Chaudhary, Nandita. Modern Indian English Poetry. Swastik Publications. 2014.

Das, Kamala. "An Introduction, The Old Playhouse." Twenty-five Indian Poets in English. Edited

by K. S. Ramamuti, 2nd ed., Macmillan India Limited, 1996, pp. 146-153.

Mittapalli, Rajeshwar and Pier Paolo Piciucco. Editor. Kamala Das: A Critical Spectrum.
Atlantic

Publishers and Distributors. 2001.

Peeradina, Saleem. Editor. Contemporary Indian Poetry in English: An Assessment and Selection.

Macmillan India Limited. 1972.

Ramamurti, K. S. Editor. Twenty-five Indian Poets in English. Macmillan India Limited.

Rao, Mallikarjuna P. "Body and Beyond: Love Poetry of Kamala Das". Kamala Das: A Critical

Spectrum, edited by Rajeshwar Mittapalli and Pier Paolo Piciucco. Atlantic Publishers

and Distributors. 2001. Pp. 58-64.

Tasneem Anjum. The Poetic Odyssey of Kamala Das. Creative Publications. 2010.

Special Issue

70

10th March 2023 Contact No.: +919890290602

One day National Conference on "Women's Literature: Past, Present and Future" Jointly Organised by
Department of English & on the occasion of International Women's Day at Mahatma Phule Mahavidyalaya,
Kingaun Tq. Ahmedpur Dist. Latur

Indexed: ICI, Google Scholar, Research Gate, Academia.edu, IBI, IIFC, DRJI, The CiteFactor, COSMOS



# **Literary Cognizance**

ISSN- 2395-7522 - Online

An International Refereed / Peer Reviewed
e - Journal of English Language, Literature & Criticism
www.literarycognizance.com

Special Issue



Shree Chhatrapati Shivaji Bahu Uddeshiya Gramin Vikas Sevabhavi Shikshan Sanstha's

## MAHATMA PHULE MAHAVIDYALAYA, KINGAON Tq. Ah nedpur Dist. Latur State. Maharashtra

College Recognised By UGC U/s 2(f) of 1958 Accreditated by NAAC with 'B' Grade 2.12(CGPA)



One Day International E- Conference on

Shakespeare Reimagined: New Perspectives on the Plays and Poetry on April 26, 2023



Organised By

Department of English & IQAC

Dr. Bodke B. R.

Principal Mahatma Phule Mahavidyalaya, Kingaon Editors Dr. Somuse A. J.

Head
Department of English
Mahatma Phule Mahavidyalaya,
Kingaon

Dr. Swami P. S.

Assistant Professor
Dept. of English Coordinator,
IQAC Mahatma Phule
Mavidyalaya, Kingaon



# Literary Cognizance - ISSN - 2395-7522 (Online)

An International Refereed / Peer Reviewed
e - Journal of English Language, Literature & Criticism
www.literarycognizance.com



### SPECIAL ISSUE

International E-Conference on Shakespeare Reimagined: New Perspectives on the Plays & Poetry (April 26, 2023)
Organised By - Department of English & IQAC,
Mahatma Phule Mahavidyalaya, Kingaon,
Tq. Ahmedpur, Dist. Latur, MS., India

and and	CONTENTS		
Sr. No	Title and Name of Author	Page N	
I	Cover Page	-	
II	Flyer	-	
Ш	About Editors	-	
01	A Critical Study of the Role of Women and Female Villains in Shakespeare's Plays - Ms. Abarna Banumathi K.		
02	The Portrayal of Patriarchal Issues in Elena Ferrante's My Brilliant Friend: A Study Under the Concept of William Shakespeare - Abishamol K.S & Dr. D.L. Jaisy	07	
03	Shakespeare Reimagined: New Perspective on the Plays  - Akade Atish Chandrakant  Use of Dhvani Theory in Shakespearean Literature  - Akash Sadanand Naik Salgaonkar		
04			
05	Reimagining Juliet and her Relevance for the Millennium Generation Generation Z) - Prof. Aleesha David		
06	Major Themes in Shakespeare's Sonnets - Appa Ramchandra Londh		
07	Indianization of Shakespeare's Othello in Vishal Bhardwaj's Movie, Omkara - Ashok Bhosikar		
08	Mandaar: A Rustic Remake of Shakespeare's Macbeth - Chayanika Roy		
09	Contemporary Approaches to William Shakespeare's Hamlet - Dr. Omprabha A Lohakare		
10	New Perspectives on Shakespeare's Poetry - Dr. Subhash K. Shinde	47	
11	The Role of Deception in Love as Portrayed in Shakespeare's A  Midsummer Night's Dream and Twelfth Night  -Dr. Vinodkumar U. Patelia		
12	Relevance of Shakespearcan Sonnets Today - Dr. Gajanan Pandurang Patil		



# Literary Cognizance - ISSN - 2395-7522 (Online)

An International Refereed / Peer Reviewed
e - Journal of English Language, Literature & Criticism
www.literarycognizance.com
SPECIAL ISSUE



International E-Conference on Shakespeare Reimagine 1: New Perspectives on the Plays & Poetry (April 26, 2023) Organised By - Department of English & IQAC, Mahatma Phule Mahavidyalaya, Kingaon, Dist. Latur, MS., India

10

## NEW PERSPECTIVES ON SHAKESPEARE'S POETRY

Dr. Subhash K. Shinde
Assistant Professor & Head
KKM College, Manwath
Dist. Parbhani, MS, India

#### Abstract:

3

William Shakespeare is widely regarded as one of the greatest poets in the history of English literature. He is known for his use of language, his mastery of meter and rhyme and his ability to create vivid and memorable imagery. Shakespeare's poetry includes 154 sonnets and several long narrative poems, including Venus and Adonis and The Rape of Lucrece. His sonnets, which were first published in 1609, are considered some of the finest examples of the sonnet form in English literature. They explore themes such as love, time, beauty and mortality and are known for their intricate wordplay and their use of metaphor and symbolism. There are many debates about his sonnet and characters portrayed in the sonnet. The present paper aims to throw a light on his poetry and its transience of life and the enduring power of art as new perspectives of his poetry.

Keywords: Poetry, Sonnet, Shakespeare, Dark Lady, Fair Youth, Perspective, etc.

Shakespeare wrote in a variety of poetic forms, including iambic pentameter, which consists of ten syllables per line with an emphasis on every other syllable and blank verse which is unrhymed iambic pentameter. His poetry is known for its musicality, its ability to convey emotion and its ability to capture complexities of the human experience. In addition to his sonnets, Shakespeare's poetry is also celebrated for its use of meter and thyme. Shakespeare's influence on English language and literature cannot be overstated and his poetry continues to be studied and celebrated by scholars, poets, and readers around the world.

## Shakespeare's Sonnets as a Special Form of Poetry:

Shakespeare's sonnets are a collection of 154 poems, many of which address various themes related to love, desire, beauty, and mortality. Among the most famous of these sonnets are the ones addressed to the "Dark Lady" and the "Fair Youth."

### Part one of Shakespeare's Sonnets:

The "Fair Youth" sonnets (1-126) describe a young man who is the object of the speaker's admiration and affection. The speaker praises the youth's beauty, intelligence and virtues and expresses a desire for a deep and intimate relationship with him.

Part Two of Shakespeare's Sonnets:

The "Dark Lady" sonnets (127-152) describe a woman with dark hair and skin, whose beauty is often contrasted with the traditional ideals of feminine beauty popular in Shakespeare's time. The speaker of the sonnets is deeply attracted to this woman, but also experiences feelings of jealousy, betrayal and even disgust towards her.

In both sets of sonnets, Shakespeare explores complexities of love and desire and questions traditional notions of beauty and gender roles. The sonnets reveal a deeply personal and introspective

side of Shakespeare's work, as he grapples with his own emotions and experiences.

There are several arguments about Dark Lady and Fair Youth as the identities of the "Dark Lady" and the "Fair Youth" are not definitively known and there is ongoing debate among scholars and critics about who these figures might have been. Some have suggested that they were real individuals known to Shakespeare, while others have argued that they were purely fictional creations. Regardless of their true identities, the sonners remain a powerful and enduring expression of love and desire and a testament to Shakespeare's skill as a poet and storyteller.

Shakespeare's Sonnets and His Personal Experiences:

While Shakespeare's sonnets certainly reveal a great deal about his personal experiences, emotions and relationships, it would be inaccurate to view them as a straightforward autobiography in the modern sense of the term.

The sonnets offer glimpses into Shakespeare's personal life, including his relationships with friends, lovers and patrons. They suggest that he was deeply affected by the loss of loved ones, including his son Hamnet, and that he struggled with the demands of his artistic career and the pressures of fame and fortune.

Writing Style of Shakespeare's Sonnets:

The sonnets of Shakespeare are highly poetic and stylized and employ a variety of rhetorical and literary devices that often obscure their meaning or suggest multiple layers of interpretation. Moreover, while many of the sonnets draw on Shakespeare's own experiences and relationships, they also contain elements of fiction, allegoryand myth, which further complicate any straightforward autobiographical reading.

Features of Shakespeare's Sonnets:

Features of Shakespeare's sonnets are known for their distinctive form and style as well as their rich imagery and complex themes. Here are some of the key features of Shakespeare's sonnet writing:

- a. Sonnet Form: Shakespeare's sonnets are written in the traditional English sonnet form which consists of three quatrains (four-line stanzas) followed by a final couplet (two-line stanza). The rhyme scheme is ABAB CDCD EFEF GG.
- b. Iambie Pentameter: Each line of Shakespeare's sonnets consists of ten syllables, arranged in a pattern of five iambs (two-syllable units in which the second syllable is stressed). This creates a rhythmic pattern known as iambic pentameter which is characteristic of Shakespeare's writing.
- c. Rich Imagery: Shakespeare's sonnets are known for their vivid and striking imagery, which often draws on the natural world and everyday objects to convey complex emotional and psychological states.
- d. Complex Themes: Shakespeare's sonnets explore a wide range of themes, including love, desire, friendship, beauty, mortality and the nature of art and poetry. They often explore these themes in a highly nuanced and complex way, drawing on a variety of literary and cultural references to create layers of meaning and interpretation.
- e. Address to a Beloved: Many of Shakespeare's sonnets are written as an address to a beloved, whether it is the "Fair Youth" or the "Dark Lady". These sonnets often express a desire for intimacy, love and affection, and explore the complexities of human relationships and emotions.

Thus, Shakespeare's sonnets are known for their beauty, complexity and enduring power and remain some of the most beloved and studied works of English literature. Shakespeare's sonnets are notoriously difficult to interpret definitively and while some of them do express a desire for a deep and intimate relationship with the "Fair Youth", they do not necessarily indicate a desire for marriage.

633

(S)

**\$50** 

150

63

Gil

61

6

6

61

61

€

0

61

6

6

6

6

6

0

6

e

6

e

6

### Marriage in Shakespeare's Sonnet:

The social and cultural context of Shakespeare's time would have made marriage a highly desirable and expected outcome for many people, regardless of their sexual orientation or personal preferences. Marriage was seen as a way to secure social status, financial stability and a secure future, and many people, including Shakespeare, would have been aware of these cultural expectations. Therefore, it is also possible that Shakespeare's sonnets were not intended to be read as literal expressions of his desires or intentions. Many scholars have interpreted the "Fair Youth" sonnets as poetic expressions of platonic love of admiration, rather than romantic or sexual attraction.

Shakespeare's Sonnets and Autobiographical Approach: The true meaning and intent behind Shakespeare's sonnets remains a matter of interpretation and debate. Whatever their true meaning, the sonnets remain a testament to Shakespeare's skill as a poet and his enduring influence on English literature and culture. While the true identity of the "Dark Lady" in Shakespeare's sonnets remains a matter of debate among scholars and critics, it is generally not believed that she was intended to represent Shakespeare's wife.

Shakespeare's wife, Anne Hathaway, was significantly older than him and would not have fit the physical description of the "Dark Lady", who is described as having dark hair and skin. Moreover, while the "Dark Lady" sonnets do express a strong attraction to this woman, they also contain elements of jealousy, betrayal, and even disgust, which would be unlikely to apply to Shakespeare's wife.

Instead, it is more likely that the "Dark Lady" was a fictional or composite figure, meant to represent a certain type of woman or archetype. Some scholars have suggested that she may have been based on a real woman known to Shakespeare, while others have argued that she was simply a product of his imagination.

Regardless of her true identity, the "Dark Lady" sonnets remain a powerful and enduring expression of love, desire, and complex human emotion, and a testament to Shakespeare's skill as a poet and storyteller.

### Theme in Shakespeare's Poetry:

Shakespeare's poetry encompasses a wide range of themes, reflecting his deep engagement with the human experience and the world around him. Some of the most prominent themes in his poetry include:

- a. Love: Shakespeare's poetry explores the complexities and nuances of love in all its forms from romantic passion to friendship and familial bonds.
- b. Time: Shakespeare is fascinated by the passage of time and its effects on individuals and societies as well as the tension between the transience of life and the enduring power of art.
- c. Nature: Shakespeare's poetry celebrates the beauty and power of the natural worldas well as its capacity to inspire and teach.
- d. Power and Politics: Shakespeare is acutely aware of the corrupt influence of power and the dangers of political ambition, and his poetry often explores the ethical and moral implications of political authority.
- e. Identity and Selfhood: Shakespeare's poetry grapples with questions of identity and selfhood, including issues of race, gender, class and social status.
- f. Death and Mortality: Shakespeare's poetry confronts the inevitability of death and the fragility of human life as well as the possibility of transcendence and immortality through art and memory.
- g. Language and Communication: Shakespeare is renowned for his mastery of language and his ability to use words to evoke complex emotions and ideas and his poetry often reflects on the power and limitations of language as a means of expression and understanding.

These themes are woven throughout Shakespeare's poetry and continue to resonate with readers and audiences today.

### New Perspectives of Shakespearean Poetry/Sonnet:

Shakespeare's poetry is renowned for its complexity, depth and beauty. His works continue to inspire generations of readers, scholars and artists and they offer a rich source of insight into human nature, society and culture.

- a. One perspective looking towards Shakespeare's poetry is to explore the themes and motifs that are recurrent in his works such as love, death, power, identity and language.
- b. One more perspective is to analyze the formal elements of Shakespeare's poetry such as his true of meter, rhyme and imagery. This can help understand how he creates his distinctive poetic style and how he conveys meaning through his language.
- c. A third perspective is to situate Shakespeare's poetry in its historical and cultural context. This involves studying the literary and cultural traditions that influenced Shakespeare as well as the political and social conditions of his time. This can help us understand how his poetry reflects and challenges the dominant ideas and values of his society.
- d. A fourth perspective is to explore the performance and reception history of Shakespeare's poetry. This involves studying how his works have been staged, adapted and interpreted over time as well as how they have been received by different audiences and communities. This can help us understand how Shakespeare's poetry has been transformed and reinvented for new generations and contexts.
- e. The fifth perspective is that his sonnets provide valuable insights into Shakespeare's life and article vision. They reveal his deep and nuanced understanding of love, desire and human relationships as well as his keen observational skills and his ability to capture the nuances of human emotion and experience in poetic language.
- f. The sixth perspective is that Shakespeare's sonnets offer a rich and complex portrait of the man behind some of the greatest works of English literature. They reveal his humanity, his passion and be enduring legacy as one of the greatest poets of all time.

Overall, there are many perspectives looking towards Shakespeare's poetry and each offers a unit of perspective on his enduring legacy as a poet and playwright.

### Significance of Shakespeare's Poetry till Today:

Shakespeare's poetry remains highly significant today and centuries after his death till today. Here are some reasons:

- a. Literary Legacy: Shakespeare is widely considered one of the greatest poets in the English Language and his works continue to be studied and admired by scholars, students and readers worldwide his poetry is a testament to the power and beauty of language and the enduring appeal of great literature.
- b. Cultural Impact: Shakespeare's poetry has had a profound impact on the cultural and outelloc ual history of the world, shaping the way we think about love, power, politics, identity and many other topics. His influence can be seen in everything from popular culture to academic discourse, and his works continue to inspire new generations of artists, writers and thinkers.
- c. Relevance to Contemporary Issues: Shakespeare's poetry addresses timeless human concerns that are still relevant today such as love, power, politics and identity. His works provide installs into the human condition and offer a rich source of inspiration for those grappling with contemporary installs.
- d. Educational Value: Shakespeare's poetry is often studied in schools and universities as a most of developing critical thinking skills, literary analysis, and cultural literacy. His works are an assential part of the educational canon and continue to be taught and studied around the world.
- c. Artistic Inspiration: Shakespeare's poetry has inspired countless adaptations, interpretations and reimagining in a variety of media from stage productions to films, television shows and graphic novels. His works offer a rich source of artistic inspiration and a platform for creative expression across a wide range of genres and formats.

Thus, Shakespeare's poetry remains highly significant today due to its literary, cultural, intellectual, educational and artistic value as well as its timeless relevance to the human experience. To conclude, Shakespeare's sonnet writing style is characterized by its use of traditional sonnet form, iambic pentameter, rich imagery, complex themes, and an address to a beloved. His sonnets have had a profound impact on English poetry and continue to be studied and admired today. The use of sonnet form, with its strict rhyme scheme and structure, has influenced many poets since Shakespeare's time. The use of iambic pentameter, with its regular rhythm and emphasis on the natural flow of spoken language, has also been widely imitated.

Shakespeare's use of rich and vivid imagery to convey complex emotions and ideas has been particularly influential. Many modern poets continue to draw on Shakespeare's imagery and language to create powerful and evocative poetry. Similarly, the themes explored in Shakespeare's sonnets, including love, desire, beauty and mortality, continue to resonate with readers today. His sonnets offer insights into the complexities of human relationships and emotions that are still relevant in the modern world. Shakespeare's sonnet writing style has had a lasting impact on English poetry, and his works continue to be studied and admired today for their beauty, complexity and enduring relevance.

### References

- Burrow, Colin., editor. The Complete Sonnets and Poems. Oxford University Press, 2002.
   Print.
- Dobson, Michael and Stanley Wells., editors. The Oxford Companion to Shakespeare. Oxford University Press, 2001. Print.
- Duncan-Jones, Katherine, editor. Shakespeare's Sonnets. Bloomsbury Arden. 2010. https://cn gineeringwithrajdocsupporter.files.wordpress.com/2015/05/william\_shakespeare\_shakespeares sonnets\_arden.pdf/Web.
- Callaghan, Dympna, Shakespeare's Sonnets. John Wiley & Sons, 2008. Print.
- Honigmann, E.A.J. "There is a World Elsewhere": William Shakespeare, Businessman" Images
  of Shakespeare, edited by Werner Habicht, Newark: U of Delware P,1988.pp40-46. Print.
- Neil, Samuel. Shakespeare: A Critical Biography. London: Houlstonand Wright, 1861. Print.
- Rollins, H. E., editor. A New Variorum Edition of Shakespeare: The Sonnets. Philadelphia: J. B. Lippincott & Co. 1944. Print.
- Schoenbaum, Samuel. William Shakespeare: A Documentary Life, Oxford UniversityPress, 1975, Print.
- Dautch, Aviva. (30March 2017). Shakespeare, Sexuality and the Sonnets. British Library. Retrieved 17April 2023. https://www.bl.uk/shakespeare/articles/shakespeare-sexuality-and-the-sonnets/Web.



This is an Open Access e-Journal Published Under A Creative Commons Attribution 4.0 International License

To Cite the Article: Shinde, Subhash, "New Perspectives on Shakespeare's Poetry". Literary Cognizance, AREELLC (April, 2023). Special Issue: 47-51. Web.



UGC CARE Group I Journal ISSN No: 09730087

### CERTIFICATE OF PUBLICATION

This is to certify that the article entitled

### CHARACTERIZATION OF WOMEN IN BOLLYWOOD MOVIES

Authored By

### Dr Subhash K Shinde

Assistant Professor and Head, Department of English, KKM College, Manwath District Parbhani

Published in

Department of Philosophy: Rabindra Bharati University

ISSN: 0973-0087

Vol.: XXIV, No:09, 2023 with IF: 6.986

UGC CARE Approved, Peer Reviewed and Referred Journal





ISSN: 0973-0087

## CHARACTERIZATION OF WOMEN IN BOLLYWOOD MOVIES

Dr Subhash K Shinde Assistant Professor and Head, Department of English, KKM College, Manwath District Parbhani

Films are not only made for entertainment but also work as the mirror of our society which depicts the reality of many incidents happening around us and make us aware of many realities of the society. For some time now, many women-centric films have been made in Bollywood, which work as a sarcasm on the conservative thinking of the society by raising questions while exposing the evil practices in the society. The history of Bollywood cinema is more than a hundred years old and practices in the society. The history of Bollywood cinema is more than a hundred years old and practices in the society. The history of Bollywood cinema is more than a hundred years old and an audio-visual art medium, the subject matter of films also portrays the discriminatory views and thoughts and prejudices of the society about women. The current work aims to focus a light on Bollywood movies and woman characterization in them.

Keywords: Entertainment, Film, Characterization, Indian Cinema, Bollywood Movies, Woman Characters, Actress etc.

Introduction: Films, like literature, are (partly or completely) 'documents of their time'. If we talk about issues related to women and their portrayal in films, there is a huge gap. Where the constitutional institutions talk about equality and protection of women's interests, give decisions in their favour, on the other hand, in the name of tradition, people are not ready to give equal rights to women. Cinema in the western world started in the late 19th century around 1887-88. It was an early period and technically, work continued on many aspects related to cinema. At the end of the 19th century, cinema was emerging as a very influential medium in Europe and America. This was the same time when orchestras, symphonies, etc., especially in Europe, were influencing the minds and hearts of the masses. In India, in 1913, Dhundiraj Govind Phalke alias Dadasaheb Phalke first introduced Indians to cinema and the film was Raja Harishchandra. It was a silent film, for the production of which Dadasaheb Phalke had gone to London for several days. He had to bring the film's reels and other materials from London. It is necessary to mention here that there was no female artist in Raja Harishchandra.

It is said that the first Indian female artist was Durgabai Kamat, who was introduced by Dadasaheb Phalke in his second film *Mohini Bhasmasur* (1913), along with Durgabai's daughter Kamalabai Kamat. It was a successful film and did decent business in many cities like Mumbai, Lahore, Calcutta and Dhaka.

In every genre of cinema i.e. historical, mythological, social or zonal, women's problems, manwoman relationship, woman's sexuality, women's sexual expressions, women's mental, physical and
sexual exploitations, women's bodybuilding, compelling presentation of women's beauty, etc. have
been attractive elements of cinema. The presentation of women in cinema has always been from the
point of view of men - this is an important feminist concept. Hindi cinema is generally known as
Bollywood. This is the special recognition of India's Hindi cinema industry which has got on the lines
of Hollywood. Like Hollywood, the term 'Bollywood' has now become stereotyped for the Hindi
cinema world. The arrival of women in cinema is a living example of women empowerment. The
image 1.1, is the image of Bollywood popular actresses who appeared in films at the beginning of
Bollywood movies.

Vol.: XXIV, No:09, 2023

ISSN: 0973-0087



Image 1.1 The Popular Women Actresses of Bollywood at the Beginning of Cinema

The above images are of popular actresses of Bollywood during 1960s and 1970s. Today, on one side of the country has the issue of Sabarimala where women are not allowed to enter the temple despite the decision of the Hon'ble Supreme Court. The interesting thing is that women themselves are at the forefront of protesting. On the other hand, the debate is also hot on the issue of triple talaq, while the Hon'ble Supreme Court has given a decision in favour of women in this matter as well. In both cases, women in favour of patriarchal ideology can be seen strongly opposing the right to equality. The ruling male class does not want to let its age-old supremacy diminish, so it opposes and gets the decisions taken in favour of women done even after court orders. Now-a-days, television serials have created such a superstitious atmosphere of ghost-ghost-witch every night that a woman is publicly paraded naked in the market as a witch or sorceress and beaten to death. A society that does such vile and reprehensible acts is flourishing among us. It is very harmful and shameful for a healthy society to gather a crowd and tie lovers to a tree, beat them, humiliate them and consider it necessary work to save respect and tradition. Few selected Bollywood films do raise these issues of Indian women but their number is negligible. Insia Malik, a minor girl in Aamir Khan's Secret Superstar, not only advises her mother to get a divorce to free herself from her abusive and violent father, but also succeeds in getting a divorce at the climax of the film. Mother and daughter celebrate their victory as a war won against patriarchy. Watching this movie gives a pleasant feeling for woman and child who rescued from the exploitation of male i.e. husband and father.

Today, women are active in acting, film production and direction, technical cooperation and all related fields without any taboos and stereotypes. This situation was not there at the beginning of Indian cinema. In that era, cinema was considered a taboo and an immoral area for women. Even watching movies were prohibited for women. In dramas too, male actors used to act as female characters. The same situation existed for female characters during the heyday of cinema. When Dadasaheb Phalke made the film Raja Harishchandra in 1913, no female artist was ready to act for the role of Queen Taramati. Even from courtesans, he did not get any woman to act in the film. At the same time, he came to know about a Marathi drama company which was suspending its play performance for some time. He got help from there and was introduced to Kamlabai Gokhale. Dadasaheb Phalke made her act in his next film Moham Bhasmasur. In this way, Kamalabai and her mother Durgabai Kamat got the distinction of being the first female artists of the Indian cinema.

Undoubtedly, due to socio-cultural and political efforts, there has been continuous improvement in the condition of women and their representation has also appeared in Bollywood films. The film Stree /

ISSN: 0973-0087

Woman, released in the year 2018, presented the issue of women's respect in a sensitive manner by covering it with humour and mystery, which, along with entertaining the audience, also treated the secondary status of women in the society and considering them as mere objects of enjoyment and also warns about its side effects.

In these films, not only discrimination against women, but also equality has been given priority. The current work is about such movies which have raised the issue of women's equality while taking a dig at the patriarchal norms in cinema.

Dil Dhadakne Do (2015): The film Dil Dhadakne Do is a family drama, but one scene of this film manages to leave a mark in the minds of many viewers. Where Farhan Akhtar, who plays the role of Sunny Gill. He educates Ayesha's (Priyanka Chopra) husband i.e. Rahul Bose about the idea of feminism that a strong woman does not need any man's permission to pursue a career and live life on her own terms. This scene takes a heavy toll on patriarchy and gives a social message that be it a man or a woman, everyone has every right to pursue a career of their choice and lead a life of their own.



Image 1.2 The Poster of Dil Dhadkne Do

Thappad / Slap (2020): In many sections of Indian society, where marital rape and serious domestic violence are considered as an 'internal matter' of the family, is it a common thing to get slapped which is called as Thappad in Hindi? The title of the movie has been presented in the best way in it. The slap here in the movie acts as a wake-up call for Taapsee, reminding her how she devoted herself in serving for her husband's needs and made his identity her own. The film explores the basis of male-female relationship and gender equality.



Image 1.3 Poster of Bollywood Movie- Thappad

Lipstick Under My Burkha (2016): Lipstick Under My Burkha starring Konkona Sen and Ratna Pathak-Shah is one of the strongest feminist movies in Bollywood. The female character of this movie,

Vol.: XXIV, No:09, 2023

ISSN: 0973-0087

which was released in 2016, is seen breaking many conservative chains. This made it difficult to summarize all these path-breaking female characters in the movie. The most common factor among the women in the story of this film was that they all seek fulfilment and to fulfil their desires they become free from fear and shame. The female lead in the film is portrayed exactly as she wants to be for herself. The lead role of the film is seen fighting for the joy, freedom and self-expression in life and the desire to break through the frustration to get equality.



Image 1.4 Image Bollywood Movie Lipstick Under My Burkha

Instead of society, they are women who give more priority to their 'self', who do not hesitate to take risks to keep their public space safe and for the sake of rights.

Guide (1965): Long ago, the heroine of the film Guide openly challenged the traditional institution of marriage by rebelling for love, leaving her husband and running away with the tourist guide. In Guide, Raju, the guide (Devanand) garners sympathy for himself by placing the entire blame on Rosie, inverting the character of Rosie (Waheeda Rehman) from the plot of the novel (The Guide by R.K. Narayan). In fact, this portrayal is different and opposite in R. K. Narayan's novel. Male characters have taken advantage of the helpless condition of women in films. Most of the stories of films are fabricated like this. Many such references are visible in Hindi films which depict the helplessness of women who are the victums of male supremacist psychology.

Dangal (2016): The film Dangal, which gives a wonderful phrase like 'Mhari choriyan chhoron se kam hain kya / my daughters are not any less than men', whose passionate wrestler father, despite listening to the world's taunts and evil, considers his daughters as international level wrestlers, is an inspiring film. This film works to bridge the age-old gap between men and women and works to give a positive message not only to India but to China and the world.

Apart from above, Aamir Khan in his second film Secret Superstar (2017) also shows the struggle of a teenage Muslim girl who is a talented singer against the patriarchy. The heroines of the films Badrinath Ki Dulhania (2017) and Shaadi Mein Zaroor Aana (2017) take independent decisions considering their career and work of choice more important than love and marriage.

Sonam Kapoor has played the role of a lesbian girl in the 2019 film Ek Ladki Ko Dekha Toh Aisa Laga, in which her father Anil Kapoor has also acted. Veere Di Wedding (2018) four girlfriends enjoy life in a cool way and don't need a man to be with them.

Tumhari Sulu (2017), despite being new in its subject matter, portrays the sexuality of women served through the voice of a radio jockey. A typical housewife from Mumbai, a metropolis who is considered vulgar and unfit, she is recognized as a radio jockey of the night who entertains frustrated men because of her unique style of presentation.

The dancing women of Anarkali of Aarah (2017) and the urban working girls of Pink (2016) who are considered promiscuous for staying out late night, going to parties, laughing and talking to men and are openly enjoyed by influential men.

ISSN: 0973 0087

Hindi films are all suffering from male supremacist gland. Dil Diya Dard Liya (1966) is a Hindi adaptation of the English classic Emily Bronte's Wuthering Heights (1847), starring Waheeda Rehman (Roopa) as the novel's heroine Catherine, Shankar / Raja Saheb (Dilip Kumar) as her child lover Heathcliff. Thakur agrees to the marriage under the pressure of Ramesh's friend Satish (Rehman) thinking that he is dead. In fact, film makers made many such films to show the supremacy of Indian culture that a girl in western clothing and living is not acceptable, she has to wear saree and transform into ideal sister and daughter-in-law, in East and West (1970), heroines of films like Saira Banu, Deewaar (1975) and Julie (1975) also become acceptable only by being cultured girls. Mother-Nirupa Roy, Sushma Seth, Rakhi, Reema Lagoo. Aruna Irani are the respected mothers of the film screen whom every Indian recognizes.

In the 1935 Hindi film *Hunterwali*, fearless Nadia (Mary Evans) played the role of a stunt-performing Anglo-Asian heroine. This female-oriented film was a tremendous success. As its sequel, *Hunterwali Ki Beti* was made in 1943. Her roles are the super cabaret dancer, 'Helen' served to dispel her years of frustration by showing Indian men's access to Anglo-Asian women on screen in the independent

India.

Conclusion: Thus, there is a separate category of women character-oriented films in Hindi films. The happy and sad sides of women's life have been depicted equally in Hindi films. In the cinema, the glorified form of qualities like sacrifice, affection, motherhood, love, dedication of the female character has been prominently presented. At the same time, she was also portrayed as a vicious, greedy, scheming, fierce, wrathful, vindictive, immoral, fleshly, malevolent, sensual, and audacious villain. Both depictions contain elements of exaggeration and fantasy. The form of the idealistic 'goddess' of a woman is a moralistic populist image of an Indian woman, which the society aspires for, but its image fades in the mirror of reality. In fact, Hindi (Indian) films are written from a male perspective, barring a few exceptions. Even if the producer director himself is a story writer and an actor or a hero, he often creates the story according to himself. But the cinema which prominently raises women's issues is still seen in Bollywood in very less quantity. Love-love, dance-singing, castereligion, school-college, guitar, family hero-heroine without any issue and struggle are engaged in becoming billionaires with the help of glitter and visual effects. Dalit-tribal and urban lower-middleclass working women who struggle for water-forest-land and everyday life are missing from the cinema screen. Despite all the changes, the Indian society is still not ready to come out of the confines of caste-religion and under the influence of the hate principle of Love-Jihad, girls are being forced to save their so-called honour by rejecting the 'right of choice' of women engaged in giving ruthless punishments.

#### References

Akhtar, J., and N. M. Kabir. Talking Films: Conversations on Hindi Cinema with Javed Akhtar. Oxford University Press, USA, 2002.

Dangal. Dir. Nitesh Tiwari. Adapt. Nitesh Tiwari, Piyush Gupta, Shreyas Jain and Nikhil Meharotra. Perf. Amir Khan, Sakshi Tanwar, Fatima Sana Shaikh, Zaira Wasim, Sanya Malhotra and Aparshakti Khurana. UTV Motion Pictures, 2016.

D'Cunha, Suparna Dutt. "'Why 'Dangal' Star Aamir Khan Is The New King of

Bollywood'." Forbes, 23 Jan. 2017. Accessed 12 Feb. 2023.

Dil Dhadakne Do. Dir. Zoya Akhtar. Adapt. Reema Kagti, Zoya Akhtar and Farhan Akhtar. Perf. Anil Kapoor, Shefali Shah, Priyanka Chopra, Ranveer Singh, Anushka Sharma and Farhan Akhtar. Eros International, 2015.

file:///C:/Users/Admin/Downloads/Bose gwu 0075M 10241.pdf

Forbes, www.forbes.com/sites/suparnadutt/2017/01/23/why-dangal-star-namir-khanis-the-new-king-of-bollywood/?sh=698522cc753d. Accessed 12 Feb. 2023.

Gokulsing, K. M., and Wimal Dissanayake. Indian Popular Cinema: A Narrative of Cultural Change. Stylus Publishing, LLC., 2004.

Guide. Dir. Vijay Anand. Adapt. Vijay Anand. Perf. Dev Anand and Waheeda

Vol.: XXIV, No:09, 2023

ISSN: 0973-0087

Rehman. Navketan Films, 1965.

Hindu College Gazette Web Team. "Changing Face of Women's Representation in Hindi Cinema." HCG, 6 Mar. 2023, www.hinducollegegazette.com/post/changing-face-of-women-s-representation-in-hindi-cinema.

Hungama, Bollywood. "Akshay Kumar Meets Jackie Chan in Hong Kong." Bollywood Hungama, 20 May 2004, www.bollywoodhungama.com/news/bollywood/akshaykumar-meets-jackie-chan-in-hong-kong/. Accessed 12 Feb. 2023.

Jones, Matthew. "Bollywood, Rasa and Indian Cinema: Misconceptions, Meanings and Millionaire, Visual Anthropology, vol. 23, no. 1, 2009, pp. 33-43. <a href="https://www.tandfonline.com/doi/abs/10.1080/08949460903368895">https://www.tandfonline.com/doi/abs/10.1080/08949460903368895</a>.

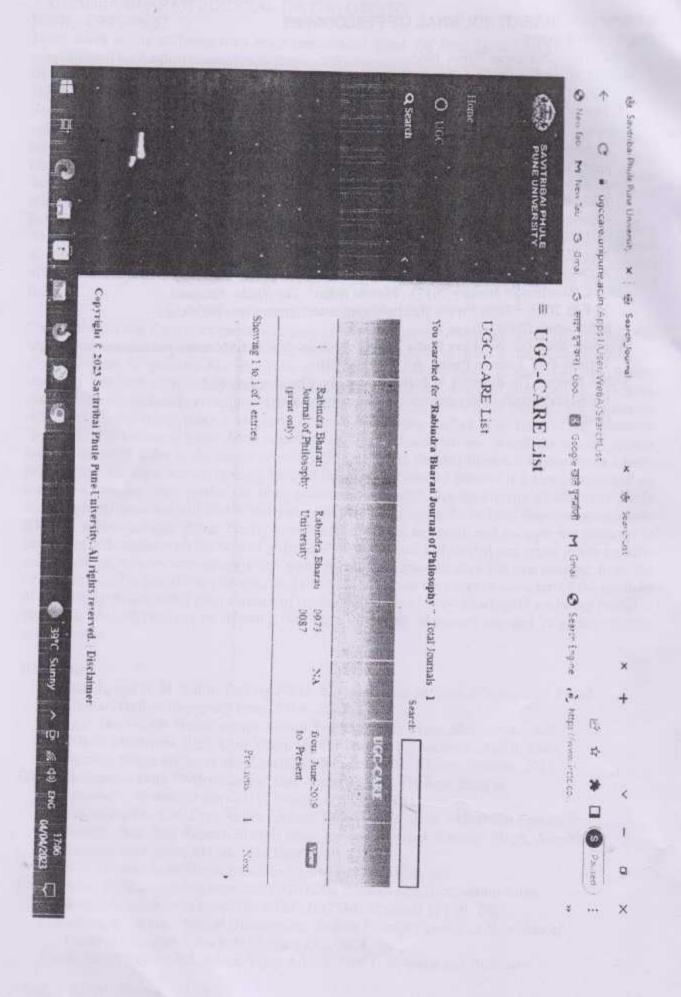
Lipstick Under My Burkha. Dir. Alankrita Shrivastava. Adapt. Alankrita Shrivastava. Perf. Ratna Pathak, Konkona Sen Sharma, Aahana Kumra and Plabita Borthakur. ALT Entertainment, 2016.

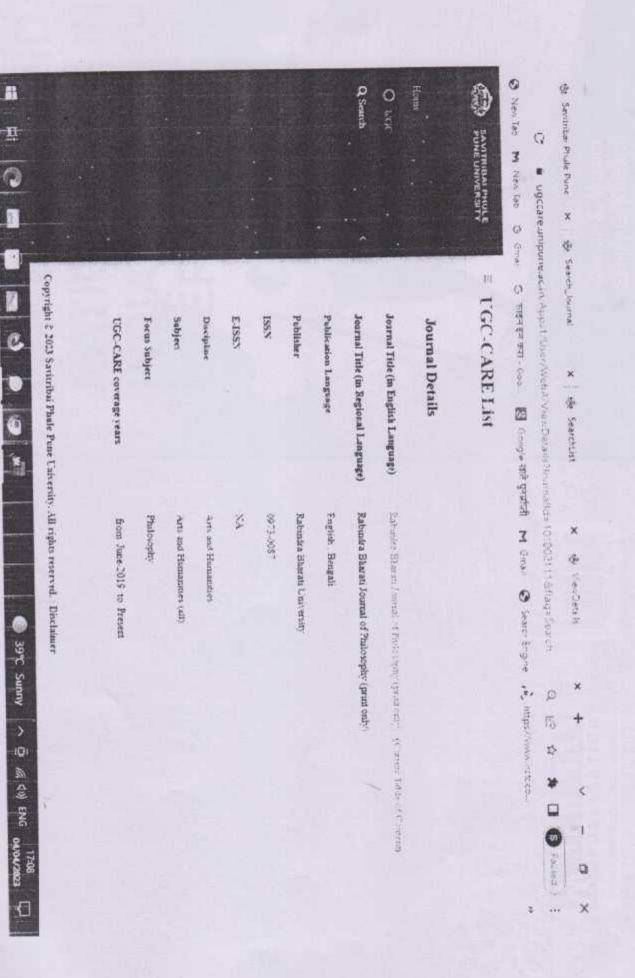
Rangan, Baradwaj (8 January 2017). 'Masala redux'. The Hindu. Accessed 12 Feb. 2023. <a href="https://www.thehindu.com/entertainment/movies/Masala-redux/article17004306.ccc">https://www.thehindu.com/entertainment/movies/Masala-redux/article17004306.ccc</a>.

Thappad / Slap. Dir. Anubhav Sinha. Adapt. Anubhav Sinha and Mrunmayee Lagoo Waikul. Perf. Taapsee Pannu. AA Films, 2020.

"Urban Movies: The diversity of Indian cinema by Christian Jungen."

fipresci.org/report/urban-movies-the-diversity-of-indian-cinema-by-christian-jungen/.







### International Journal of Advance and Applied Research

www.ijaar.co.in

ISSN - 2347-7075 Peer Reviewed Vol.10 No.1

Impact Factor - 7.328
Bi-Monthly
September - October 2022



### ISSUES AND CHALLENGES AHEAD ACADEMIC LIBRARIES

Dr. Sachin N. Chobe

Librarian, K.K.M. College, Manwath, Dist: Parbhani
Corresponding Author - Dr. Sachin N. Chobe
Email-sachinchobe30@gmail.com

DOI - 10.5281/zenodo.7180050

Abstract:

In this research article, there is a deep and valuable explanation about the various problems before Liberian, such as purchasing of reading material, library staff, library building and library space, library software low fund, of library, readers passiveness etc.

### Introduction:

There are lot of problems and difficulties occurs, when any one do the work of any kind of institution which is related to the public. The institution which is related to the people has to face such kind of problems more than any other institution library is one of such institution related to societies. Dr. S.R. Rangnathan, the founder father of Library Information-Science, has said that the nature and scope of library-science is continuously changing and progressing. Changes, such as reading material, technology, new methods of exchange of books or providing facilities to readers. The library has changed and developed rapidly. Also the new issues and challenger are emerging. The librarian has to face the challenges and difficulties frequently. He tackles the various problems daily. Finally all blames have to face the librarian only. But other factors are also responsible for the problems before library.

The following difficulties or problems have to face librarian.

## The Problems Relating to Reading Material:

### 1) Textbooks:

Textbooks are essential for academic libraries. The purchasing of textbook for Art, Commerce and Science streams is compulsory for library. Junior and Senior College students need various kind of books to fulfil the students demand, large quantity of textbooks have to maintain in library due to lack of funds these purchasing becomes impossible

### 2) References Books:

Various kind of reference book are essential for college library. Text book can be understood with the help of reference book. For purchasing of these references books the sufficient fund must be provided.

Lack of fund is the prominent difficulty in references books purchasing. The Government, the U.G.C. the administration should provide sufficient fund to libraries

### Increasing Demand of Periodicals and their Costly Subscription:

Subject related periodicals must be kept in library to updating knowledge. But the prices are increasing rapidly. So, maintaining periodicals is a challenging task. Timely publication of periodicals is a problem also. After dispatching from publisher periodical can't reach in time to the library.

### 4) E-Books, E- Journals Issues:

UGC suggested the professor and students should use E-Books, E-Journals, INFLIBNET has provided E-Books and E-Journals in Rs 5800 only. But students and college teaching staff ignore these facilities. Their response is so poor. This is one of the problems.

### Issues Relating to Library Staff:

There are insufficient staffs working in libraries today. Number of staff members necessary for daily work. Because of this problem following difficulties arises

- 1) Untrained staff working improperly.
- Various posts are empty, did not appoint proper candidate.
- Other works, then library works have to do library staff.
- Staff does not work effectively and sincerely.
- Lack of training facilities for library staff.
- Modern technology, Computer handling, Communication methods, there things are not be seen in library staff.
- Government do not approved the essential staff for library.
- So, this insufficient and untrained staff cannot fulfill the demands of students.

### Issues Related to Fund Availability:

In recent years, there is a sharp decrease of fund allocation to libraries. The purchasing of necessary books, periodicals, textbooks is becoming difficult day by day Provided fund not sufficient for following things.

- 1) Purchasing of furniture
- 2) Important but costly reference books
- Computers, Xerox Machine, Printer cannot be purchased due to low availability of funds
- Important Technology like RFID has to be ignored due to lack of funds
- Valuable E-resources can't be provided by the librarian
- The damaged books can not send for book-binding due to lack of fund

### Need of Big Space for Library:

Today a library is a very important institute. It needs big pleasant space. The building of library should be big. Because the number of books, periodicals, newspapers, references books increasing rapidly. For these reading materials a big building needed for library

Also, readers are increasing so big reading room (hall) should be there.

### Passiveness of Readers:

The present society ignoring knowledge. Readers not coming to read newspaper. Acceptance of new ideas, knowledge is ignored. Only exam related books are read. E-Books, E-Journals, reference books are ignored by readers. This is the major problem of today.

### Problems of Software:

In every library, software frequently use. Software is the working of library. But some problems are seen there.

- 1) Unavailability of upgrade computers for new software.
- 2) Lack of trained staff for use of new software.
- No supply of electricity. The problem of load shedding arises.

- Fluctuation of electricity damages computers. So the working is badly affected.
- 5) Few software need internet, without internet they cannot work.
- 6) After some months or years, the barcode cannot be read by machine.
- Sometime data can be deleted on a click. This valuable data very hard to regain.
- Continue training is essential for changes in software, but the proper training is unavailable.
- Technical problems in software cannot repaired in short time.

### Other Difficulties the Liberian has to Face:

- Some students damage the books, do not handle properly loose the books.
- Many important E-resources need to be done but, lack of fund and untrained staff are main obstacles, in this process.
- Periodicals do not send in time.
   There is always a delay.
- Increasing prices of newspapers, periodicals etc. Put pressure on short funds.
- 5) The librarian has to perform other works also, such as invigilation in exam period, work as a cap-officer, other administrative works, etc. This is also a big problem.
- 6) No funds are there for book-binding.

Appointment of library staff not done.

#### Conclusion:

The librarian has to face such vast obstacles during his day to day duty. But, administration can solve these problems if they want. Today, librarian is working under tremendous pressure of these problems, solving problems on his level.

#### Reference Books:

- Buwa G.A. (2009) "Granthalay Mahiti Shastra Nav Vichar Pravah". Shri Sai Prakashan, Nagpur. Page No. 30 to 48
- 2) Gaikwad, M. (2014). Library Automation in Academic Libraries: Need, Process and Prospects <a href="https://scholar.google.com/citations?view-op=view-citation&hl=en&user=hyabhG8AAAAJ&citation-for-view=hyabhG8AAAAJTyk-4Ss8FVUC">hyabhG8AAAAJTyk-4Ss8FVUC</a>
- Parikh Gangadhar (2006)
   "GranthalayMahiti Shastra Parichay",
   Universal Publication Pune. Page No. 38 to 90.
- 4) Vilas Jadhav, Mahesh Gaikwad (2014) Challenges before Academic Library Professionals Working in Maharashtra. 377-381 accessed from https://scholar.google.com/citations?vi ew\_op=view\_citation&hl=en&user=h YAbHG8AAAAJ&citation\_for\_view= hYAbHG8AAAAJhqOjcs7Dif8C



# LJBRARY SCHOLAR

International Peer-Reviewed Journal of Library Science

Indexed & Refereed Journal

ISSN: 2583-2549



Special Issue

Volume-2: Issue-1 (November-2022)

### **National Conference**

A TO Z ABOUT WEEDING-OUT LIBRARY MATERIAL

# Published by Skylark International Publication

38, Manewada, Nagpur-27

In Association With

Yeshwant Mahavidyalaya, Nanded

Indian Council of Social Science Research (ICSSR)

Western Regional Center, Mumbai

49	<b>Miss Nanda Balbhim Karanjakar</b> Research Scholar, S. R. T. M. U. Nanded.	ग्रंथ रद्दबातल धोरण व प्रक्रिया	193- 195
50	Maindkar Pardip Govt. College of Education, Nanded.	ग्रंथालयातील वाचनसाहित्य रद्यबातल कार्यातील अडचणी व कारणे	
51	Shahare Mukesh Dharamdas Library Attendant, Kavi Kulguru Kalidas Sanskrit University, Ramtek.	ग्रंथपडताळणीः आवश्यकता,पध्दती व रद्द बातल धोरण y,	
52	Research Scholar, S. R. T. M. U. Nanded. आजच्या माहिती विस्फोटाच्या युगात ग्रंथालयातील वाचनसाहित्य रद्यबातल धोरणाची आवश्यक्ता		209- 211
53	<b>Dr. Sachin N. Choube</b> , Librarian, K. K. M. Mahavidyalaya, Manvat.	वाचन साहित्य रदद्बादल धोरण .एक चिकित्सक अभ्यास	
54	<b>Dr. Chavan Sharad S.</b> , Librarian, Lal Bahadur Shastri Mahavidyalaya, Dharmabad.	ग्रंथ रद्द करण्याची प्रक्रिया व कारणे	215- 217
55	Dr. Bharat R. Lokalwar Librarian, Sharadchandra Arts, Commerce and Science Mahavidyalaya, Naigaon. Dist. Nanded.	शरदचंद्र महाविद्यालय ग्रंथालयातील रद्दबातल ग्रंथ :एक अभ्यास	
56	Warvate Sadashiv B. Librarian, Mahatma Phule Mahavidyalaya, Kingaon, Dist. Latur.	वाचन साहित्य रद्दबातल धोरण	222- 224
57	<b>Waghmare R. K</b> Librarian, Narayanrao Chavan Law College, Nanded	ग्रंथालयातील वाचनसाहित्य रद्दबातल धोरण : वर्णनात्मक अभ्यास	225- 228

### LIBRARY SCHOLAR

International Peer-Reviewed Journal of Library Science

ISSN 2583-2549

वाचन साहित्य रदद्बादल धोरण - एक चिकित्सक अभ्यास

डॉ. एस.एन. चोबे

ग्रंथपाल

के.के.एम. महाविद्यालय, मानवत sachinchobe30@gmail.com

Volume

संबंधीत लेखात वाचन साहित्य रदद्बातल धोरण यावर एक प्रकाशझोत टाकला आहे. सुरूवातीला ग्रंथाचे महत्व विशद करुन या धोरणाची व्याख्या व महत्व स्पष्ट केले आहे. तसेच ही प्रक्रिया सुरूवातीपासून कशी पार पाडावी, यामध्ये कोणत्या घटकाचा विचार करावा, ग्रंथ रदद्बातल करतांना कोणते वाचन साहित्य रदद्बातल करावे याचे सविस्तर विवेचन केले आहे.

#### प्रस्तावना :--

ग्रंथालयाचा ग्रंथ व वाचक हा आत्मा आहे. कारण या दोन्ही घटकाशिवाय ग्रंथालय ही संकल्पना पूर्ण होणार नाही. म्हणून ग्रंथ व वाचकाविना ग्रंथालयाचा विचार शक्य नाही.

ग्रंथालयाचा प्रकार कोणताही असो शैक्षणिक ग्रंथालय, सार्वजनीक ग्रंथालय, संशोधन ग्रंथालय, विशेष ग्रंथालय या सर्वांनाच ग्रंथ खरेदी करावे लागतात. ग्रथालयाच्या स्थापनेचा कालावधी जितका पुर्वीचा तितकी ग्रंथ संख्या जास्त असते.

ग्रंथालय शास्त्राच्या पाचव्या सुत्राप्रमाणे ग्रंथालय हि वधिष्णु संस्था असल्याने ग्रंथालयाच्या वाचन साहित्या मध्ये मोठया प्रमाणात वाढ होत असते. यामुळे वाचन साहित्याचा मोठा भरणा यात असतो. परंतू काही वर्षानंतर काही साहित्याचे महत्व संपते, काही वाचन साहित्य खराब होते. काही वाचन साहित्य कालबाहय होते. असे वाचन साहित्य ग्रंथालयातुन रदद्बातल करावे लागते. यासाठी ग्रंथालयातील अनावश्यक साहित्य रदद्बातल करणे काही विशिष्ट वर्षानंतर करावे लागते. ग्रंथालयाचे कामकाज सुरळीत चालण्यासाठी हि एक महत्वाची बाब आहे.

weeding out यासाठी श्री.के. अवस्थी यांनी Discard हा शब्द वापरला आहे. क्पेबंतक याचा अर्थ निरुपयोगी अथवा कामास न येणारी वस्तु फेकुन देणे असा होतो. weed वनज याचा अर्थ निरुपयोगी साहित्य निवडणे बाजूला काढणे असा होतो.

#### १. व्याख्या

ग्रंथ रदद्बातल करणे :— ग्रंथालयातील नको असलेली वाचन साहित्य ग्रंथालयातुन ठरवून दिलेल्या प्रक्रियेनुसार बाहेर काढणे यास ग्रंथ रदद्बातल करणे असे म्हणतात.

### २. वाचन साहित्य रददुबातल धोरणाची गरज :--

ग्रंथालातील ग्रंथसंग्रह अद्यावत ठेवण्यासाठी ज्ञानसाहित्याच संग्रह विकसीत करण्यासाठी व वाचन साहित्याचा प्रभावी पणे उपयोग होण्यासाठी अनावश्यक वाचन साहित्य ग्रंथालयातुन स्दद्वातल केले जाते त्यामुळे ग्रंथालयाच्या कामात स्-सत्रता येते.

### ३. वाचन साहित्य रददुबातल प्रक्रिया :--

ग्रंथालयातील प्रत्येक ग्रंथाला अनन्य साधारण महत्व आहे. ग्रंथालय शास्त्राच्या नियमा प्रमाणे १) ग्रंथ हे उपयोगासाठी असतात २) प्रत्येक ग्रंथास त्याचा वाचक मिळावा ३) प्रत्येक वाचकास त्याचा ग्रंथ मिळावा या सुत्रात ग्रंथाचे महत्व अनन्य साधारण आहे असे सांगितले. त्यामुळे ग्रंथ रदद्बातल करणे हे अत्यंत जोखमीचे कार्य आहे. कोणते ग्रंथ रदद्बातल करावे, कोणी करावे, कधी करावे यात प्राचार्य, संस्था चालकाची भीती यामुळे खालील प्रक्रियेव्दारे हे कार्य करावे.

### १) प्रस्ताव मांडणे / ठराव घेणे :--

ज्याही वेळेस वाचन साहित्य रदद्बातल हि प्रक्रिया राबवायची आहे. त्या वेळेस प्राचार्य मान्यता घेवून ग्रंथालय समिती समोर या संदर्भात ठराव घ्यावा.

### २) कोणते वाचन साहित्य रददुबातल करावे :--

या संदर्भात लिखीत कोण कोणते वाचन साहित्य रदद्बातल करावे हे ठरवून ध्यावे जसे अभ्यासक्रमातुन बाद झालेले ग्रंथ, जिर्ण झालेले ग्रंथ, फाटलेले ग्रंथ.

### ३) कोणत्या वेळेला ग्रंथ रदद्बातल करावे :--

ग्रंथ स्टट्बातल प्रक्रिया ही ग्रंथ देवाण घेवाण चालु असतांना न करता उन्हाळी किंवा दिवाळीच्या सुटयात करावी.

### LIBRARY SCHOLAR

International Peer-Reviewed Journal of Library Science

ISSN 2583-2549

४) कोणी रदद्बातल करावे :--

ग्रंथ रदद्बातल प्रक्रियेत केवळ ग्रंथालय कर्मचारी असावे किंवा ज्या कर्मचाऱ्याला ग्रंथालय माहिनी शास्त्राचे ज्ञान आहे असा कर्मचाऱ्याचा या प्रक्रियेत समावेश असावा.

५) ग्रंथबातल प्रक्रियेत ग्रंथाच्या नोंदी खालील तक्त्यात घ्यावा :--

अ.क्र	ভিছ হ্ৰত্তৰ্	ग्रंथाचे नाव	लेखकाचे नाव	प्रकाशन वर्ष	किंमत

वरील तक्त्यात नोंदणी केल्याने वरील संपूर्ण प्रक्रियेची माहिती विना विलंब कळते.

रदद्बातल करावयाचे साहित्य :--

ग्रंथालयातील कोणकोणते वाचन साहित्य रदद्बातल करावे याची सविस्तर यादी जे.एस. शर्मा (१९७८) श्री. के अवस्थी (१९८२) तसेच एच.आर. चोपरा (१९९४) यांनी या संदर्भात सविस्तर मार्गदर्शन केले आहे.

१) क्रमीक ग्रंथ :--

अकरावी ते पी.जी. पर्यंत एक उरावीक ५ ते ६ वर्षानंतर अभ्यासक्रम बदलतो या सर्व अभ्यास क्रमांची पुस्तके ग्रंथालयास घेणे क्रमप्राप्त आहे हा अभ्यासक्रम बदलल्यानंतर हे ग्रंथ जर उपयोगात येत नसतील तर अशी ग्रंथ रदद्बातल करावे.

२) जीर्ण संदर्भ ग्रंथ:-

ब-याच ग्रंथालयाची स्थापना घेवून ५०/७५/१०० वर्षे झालेले आहेत अशा वेळी जीर्ण झालेले हाताळता न येणारे संदर्भ ग्रंथ रदद्बातल करावे.

३) अनेक प्रती असलेले ग्रंथ:--

एका ग्रंथाच्या अनेक प्रती ग्रंथालयात असतात. या सर्व प्रती वाचक वाचत नाही. त्यामुळे अशा ग्रंथाला दोन प्रती ठेवून बाकीच्या प्रती रददबातल कराव्यात. कारण जास्तीचा उपयोग न येणाऱ्या प्रती संग्रही ठेऊन उपयोग नसतो.

४) ललीत साहित्य अन्य साहित्या:--

कथा, कादंबरी, कविता संग्रह, आत्मचरित्र असे ललीत साहित्याचा भरणा ग्रंथालयात असतो. १५ ते २० वर्षानंतर हे ललीत साहित्य / तसेच अन्य इतर साहित्य खराब होते, जीर्ण होते असे वाचन साहित्य रदद्बातल करावे.

५) पाने फाटलेले ग्रंथ:-

ग्रंथ वापरुन वापरुन खराब होतात. त्याची पाने गळतात तसेच काही विदयार्थी—विदयर्थीनी मुदद्गम ग्रंथाचे मधले पाने फाडतात. यामुळे त्या ग्रंथाची उपयोगीता कमी होते. अनेक वाचकांना ग्रंथ समजत नाही यामुळे असे ग्रंथ रदद्बातल करावे.

६) विज्ञान व तंत्रज्ञानावरील ग्रंथ:-

विज्ञान तंत्रज्ञान या ज्ञान शाखेतील वारंवार संशोधन होऊन नव नवीन माहिती समोर येते. यामुळे १० ते २० वर्षानंतर जुने कालबाहय झालेले ग्रंथ रदद्बातल करुन नवीन ग्रंथ खरेदी करावेत.

७) वार्षीक:--

ग्रंथालयात संदर्भ ग्रंथ या प्रकारात वार्षीके या घटकामध्ये पंचांग, विविध संस्था/ संघटनांचे अहवाल, राज्यशासन/ केंद्र शासनाचे विविध अहवाल ग्रंथालयात येत असतात. या अहवालाचे महत्व वर्ष संपल्यानंतर किंवा ५ ते १० वर्षानंतर संपते. यामुळे असे वार्षीके सहज रदद्बातल करता येतात.

८) प्रश्नपत्रिका संच:-

विविध परिक्षेचे संच ग्रंथालयात असतात. अभ्यासक्रम संपल्यानंतर प्रश्नपत्रिकेचे महत्व संपते. या प्रश्नपत्रिका संच रददुबातल करता येतात

९) प्रकाशन यादी:--

विविध प्रकाशक ग्रंथ घ्यावे या उददेशानुसार प्रकाशन यादी पाठवत असतात. यादी पण १० ते १५ नंतर रददबातल करता येते.

१०) भेट देणगी ग्रंथ:--

काही ग्रंथ भेट म्हणून येत असतात. अशी ग्रंथाची उपयोगीता संपल्यानंतर हे ग्रंथ रदद्बातल करावेत.

११) नियतकालीके:--

प्रत्येक ग्रंथालयात विविध प्रकारची नियतकालीके येतात. महत्वपूर्ण नियतकालिकाची बांधणी करून बाकी उपयोगीता संपलेले नियतकालीक रदद्बातल करावी.

> Published in Collaboration With Yeshwant Mahavidyalaya, Nanded

213

### LIBRARY SCHOLAR

International Peer-Reviewed Journal of Library Science

ISSN 2583-2549

१२) नकाशे:-

प्रंथालय अस्तीत्वात आल्यापासून विविध प्रकारचे नकाशे खरेदी करते. यात जिल्हा नकाशा, विभागीय नकाशे, राज्य स्तरावरील नकाशा, देशाचा नकाशा, भौगोलीक नकाशा हे नकाशे कालंतराने फाटतात हे नकाश पण रदद्बातल करता येतात. सारांश:—

वाचन साहित्य रदद्बातल धोरण एक चिकीत्सक अभ्यास या लेखात सुरवातीस ग्रंथाचे महत्व विशद केले. त्यानंतर ग्रंथ रदद्बातल प्रक्रिया संपूर्णपणे समजावून कोणकोणते ग्रंथ रदद्बातल करावे याचे सविस्तर विविचन केले आहे. त्यामुळे निश्चितपणे ही प्रक्रिया समजण्यास मदत होईल.

संदर्भ सूची:-

- १) पाटील सी. श्री. (२००३) "वाचन साहित्य रदद्बातल धोरण" प्रकाशिका या छाया पाटील सिंधुदुर्ग पृष्ठ १ ते ३५.
- २) महाजन शं.ग. (२०००) "दप्तरखाने व वस्तु संग्रहालय" प्रकाशक य.च.मु.वि. नाशिक पृष्ठ २० ते ३०.



Impact Factor -(SJIF) -8.575, Issue NO, (CCCLXXX.) 380 - A

ISSN: 2278-9308 December, 2022

### Role of Information Technology in Agriculture Sector Dr. Satyanarayan R. Rathi

Associate Professor, Dept. of Commerce, K. K. M. College, Manwath Dist. Parbhani (MS) E-mail id-rathism@gmail.com

#### Introduction:-

Agriculture is a major sector which is vital for the survival of modern man. Agriculture is a wide field which requires the support of disciplines from other sectors for it to fully thrive such Sciplines includes economics management and technology which play an integral part in the sector this article major focus on technology which is essential for provision of information across the pericultural value chain right form production to marketing.

Agriculture is backbone in the Indian economy. India is an agriculture base country, which is arectly and indirectly seventy percent. India is self-sufficient in wheat, rice, sugarcane and cotton. Agriculture provides raw material for many industries like paper, leather etc. India is the 2nd largest country in the perspective of sugarcane production after Brazil. In India major cash crops are agarcane, cotton, rice, wheat. Due to increasing population day by day, we need to improve the food scurity and enhanced acreage yield of wheat as well as others crops in the India. Production can only chance through adopting modern technology, producing resistance verities. By adopting modern echnology, the living standard of farmer increase day by day. Technology has a massive role in the eveloping of agriculture industry. Through agriculture biotechnology, it is possible to grow crop in lesert areas. Due to biotechnology, plants produce ability in their selves against drought stress. We should be move toward the modern technologies for the quality and quantity production of the food in world. Before going to detail the benefit of modern technology, we will discuss why technology is more important in agriculture.

#### . Concept and Role of Information Technology:-

Information Technology refers to the utilization of computer along with other elecommunication equipment for the storage, retrieval, transmission, and manipulation of data, among other tasks which are aimed to improve the efficiency of different sectors. Information Technology plays a big role in the agricultural sector.

### Improved productivity-

Farmers need information on latest varieties, changing weather patterns, crop production echniques and improved agrenomic practices for them to produce. Information technology plays a sital role in ensuring the farmers get access to this information, regardless of their agro ecological location. Through IT, Farmers in Africa are able to read what farmers in other areas of the globe are soing. Through this gained knowledge, the farmers improve their farming skills thus improved arming which eventually result to high yields.

#### Community involvement -

There are several programs which are made possible by IT applications, and community avolvement in agriculture can be increased as well. When a community adopts modern methods for periculture, the production of local goods can be increased. There are some places where people reatly benefit from the land and their resources for agriculture, and with IT, there can be improved union in local farmers which can lead to their community's overall improved production that may lead better income for everyone involved.

### Good post-Harvest practices and Value addition of farm produce.

Most farmers after good crop husbandry get a lot of crop yields after harvesting, however, months later farmer incur losses due to poor storage. But this does not happen in some Parts of e globe, especially the developed countries which have good storage structure. Information archinology has provided the avenue where farmers are able to see and learn about latest post-harvest handling and storage techniques used in other countries, thus they learn and also utilize them, this beins to reduce the losses of their crops.

ISSN: 2278-9308 December, 2022

Improved decision making by the farmer.

Through the use of information technology, It is easier to develop farm records and follow up on the daily events of the farm. This will enable the farmer to make the correct decisions when it comes to types of fertilizers' to be used, the variety of seeds to be planted, when to market his/her produce and how to employ the best farming techniques.

Improved efficiency and service delivery at the farm.

Crop data, Animal data or any other farm data can be generated and kept much easier with the use of information technology, than manual processes. Information technology has also been utilized in automated farm machines which are scheduled to carry out activities such as irrigation or spraying even in the absence of the farmer, thus it makes service delivery very effective.

Weather forecasting and climate smart farming.

The climate and weather play a vital role in farming. With the use of IT infrastructure, farmers are able to receive weather forecasts, and therefore they plan when to irrigate, or when to plant, and how much water should be used for irrigation. This plays a vital role in the agricultural

Remote sensing and GPS location.

This are very key in farming. The location of a farm is very important, as it dictates the varieties of seed to be used, the amount of irrigation to be used and above all the type of crop to be planted. With the use of IT, It is easier to locate a farm, even if it is miles away. This is made possible by the use of Information technology through the global positioning system (G.P.S) which has also enabled professionals in the agricultural field to be able to classify different areas into different agro

Research Methodology:-

The research methodology used for the present research article is traditional Doctrinal research method, as most of the information can be sought from the available literature. So the researcher has chosen doctrinal method as the method of research for the present article and has used books, journals, research articles, internet for preparation of the same.

· Objectives of the Study:-

- 1) To study the role of agriculture in Indian economy.
- 2) To study the impact of IT in agriculture sector.
- 3) To highlight the advantages and disadvantages of IT in agriculture sector.

Advantages of Technology in Agriculture Sector:-

- 1. Productivity boosted with technology: Agriculture has seen a significant boost in productivity as a result of technology; farmers can now do more work with less effort and in less time. There are several sophisticated technology instruments and tools that can help farmers boost their farming production. In agriculture, tractors, automated devices, robotic lettuce harvesters, carrot harvesters and separators, and other technology devices are utilized to boost production. Farmers operate more efficiently with the aid of current technology since it decreases the amount of labor they have to do in
- 2. Improved transportation: Farmers can now travel more easily thanks to technology. Farmers can readily transfer products from one location to other. Trucks and tractors are commonly used to transfer crops from one location to another. Farmers utilized buffalo cares to transfer corps from one location to another before modern technology. This was a challenging task because traveling by buffalo cart took a long time. However, because of advancements in transportation technology, they may now readily travel from one location to another.
- 3. Technology helps simple water supply: The farmers had terrible time getting water to their farms. They used to transport water to the fields in bowls, which took a long time and cost the farmers a lot of money However, people may now readily obtain water in their fields thanks to current technological machinery and devices. Water delivery to the field may be accomplished with ease using contemporary technologies. For providing water to their farms, farmers can utilize water turbines, pipelines, drones, and many other technologies. It saves the farmers a lot of time and works in terms of field water supply.

### B. Aadhar Peer-Reviewed & Refereed Indexed Multidisciplinary International Research Journal



### Impact Factor -(SJIF) -8.575, Issue NO, (CCCLXXX.) 380 - A

ISSN: 2278-9308 December. 2022

4. Technology saves money: Using current agricultural technology can help farmers save money. With the help of modern technologies, farmers may work more efficiently, with less effort, and in less time. With modern technology, work that formerly required a big number of people and a lengthy period of time may now be accomplished swiftly and cheaply. Farmers are not compelled to pay a separate price for their services.

5. Technology saves time: As we all know, the primary goal of technology is to help individuals save time while they work. In agriculture, technology also saves a lot of time for farmers. Modern technical equipment and machinery operate at a far faster rate than people do. If a farmer can cultivate a field in a week, they can do so in a day with the assistance of technology. This is how much time farmers save

thanks to current technologies.

6. Marketing boosted with the technology: Agriculture's commerce and business are being boosted by modern technologies. They may simply sell their goods to market and increase their trade and business with the assistance of technology. With the use of technology; Farmers can simply transport and sell their corps to other locations. They may easily contact and interact with purchasers using contemporary technology, and sell their products, fruits, and vegetables. With the use of technology digital marketing develops to sell their harvests, fruits, and vegetables to customers online. This is how agricultural commerce and business may be boosted with the aid of current technologies.

7. Technology helps to boost soil fertility: With the help of modern technologies, farmers may easily increase the fertility of their soil farming. There are a variety of devices on the market that can evaluate soil fertility and assist us in caring for our agricultural land in order to increase fertility. A variety of chemicals are also being researched to improve soil fertility. Using this strategy, farmers

may improve soil fertility.

8. Technology saves labor: The primary goal of modern technology is to lower people's labor efforts so that farmers can work more efficiently. Farmers' efforts in agriculture are greatly reduced by modern technologies. If some farming tasks demand a large number of farmers and a lot of effort; they can be simply completed by contemporary technology with lesser effort and fariners.

Disadvantages of Technology in Agriculture Sector:-

1. High costs of maintenance: One of the downsides of agriculture technology is its high maintenance costs. The hefty maintenance costs of the technology make it tough for small enterprises and farmers to handle. Farmers find it difficult to keep up with technology since farmers cannot afford

the high maintenance costs of contemporary technical gadgets and machines.

2. Environmental damages: The majority of technical machinery and devices pollute our environment, which is extremely detrimental to humans. Tractors, trucks, and a variety of other large machinery are overused, resulting in harmful chemical fumes and carbon dioxide in our environment. As a result, environment has become contaminated and hazardous to people and other living

3. Negative impact of fertilizers and pesticides: Fertilizer and pesticide use generate a slew of issues. Fertilizers and insecticides are good for the health and output of plants. However, it has a number of negative consequences for plants and other living beings. Excessive use of fertilizers and pesticides poisons plants and crops, posing serious health risks to humans and other living creatures. It

also pollutes the soil and water.

4. Digital illiteracy: The majority of farmers are illiterate, and understanding how to use current technologies in farming is challenging. Instead of traditional methods, using contemporary technology in farming is challenging for them since they don't fully comprehend the benefits and risks of using technology in agriculture. This is also one of the drawbacks of current agriculture technology; not everyone can benefit from it. The majority of farmers are unable to correctly use contemporary technical gadgets and machines.

5. Reduction in soil fertility: Excessive use of technology in the fields depletes the soil's fertility. One of the most serious drawbacks of technology in agriculture is that it diminishes soil fertility. The soil of the fields is harmed and fertility is reduced as a result of excessive use of technology. Pertilizers and chemicals can boost productivity, but they can deplete soil fertility over time

Excessive use of fertilizers and many chemicals used for agriculture may also harm the soil.

#### B. Aadhar' Peer-Reviewed & Refereed Indexed Multidisciplinary International Research Journal



#### Impact Factor -(SJIF) -8.575, Issue NO, (CCCLXXX.) 380 - A

ISSN: 2278-9308 December. 2022

1 Impact on health: Overuse of fertilizers and pesticides has been proven in several studies to have negative health consequences. Overuse of pesticides has the disadvantage of killing soil organisms that are helpful to the plant and aid in its growth. Aside from that, it has the potential to contaminate the topsoil. For the time being, nothing else will grow. Pesticides and fertilizers are both known to have negative effects on human health; even minor skin contact with some of them can cause severe Escomfort.

I. Unemployment: Workers' services are at risk of being replaced by machines as a result of the adoption of some technological advancement in agriculture. Some of these technologies significantly reduce the demand for human employees, resulting in the development of unemployment, which is armful to society.

#### Conclusion:-

Agriculture is backbone in the Indian economy. India is an agriculture base country, which is frectly and indirectly seventy percent. By adopting modern technology, the living standard of farmer increase day by day. Technology has a massive role in the developing of agriculture industry. Farmers benefit greatly from the use of new technological advancements in agriculture. It allows farmers to operate more efficiently and effectively. Agriculture employs a large number of technology astruments and machines. For farmers in agriculture, it saves a lot of time and work. Farmers can perform a lot of work in a short amount of time with the aid of contemporary technologies. Technology, on the other hand, has certain negative consequences must remember how much technology harms in agriculture before use it.

#### · References:-

- 1) Gaurav Datt & Ashwani Mahajan (2018) Indian Economy S. Chand Publishing, New Dethi.
- 2) Vanijya Vishva (August, 2011) Puna Chamber of Commerce, Pune
- 3) Yojana Monthly Magazine
- 4) Ihttps://www.aaaksc.com/information-technology-agriculture/
- 5) Google search



#### Impact Factor -(SJIF) -8.632, issue NO, (CDVI) 406-A

2278-9308 April, 2023

#### Evaluation of Research Report Writing Dr. Satyanarayan R. Rathi

Associate Professor Department of Commerce K.K.M. College, Manwath, Dist-Parbhani (MS)

#### NTRODUCTION

esearch report writing piay limited scope in the earlier time, but now day by day becoming more aportant and wide range of scope not only in the area of study but also in all the area of administration and management. Research report is the final stage of every research in which research procedure, analysis, findings and so forth aspects of research efforts are presented in systematic and scientific way. The general purpose of research report is to convey the sufficient details of research works. It not only anytincers the readers but let them known about the finding s of already carried out research or project work or the purpose of the work have been done. Writing a report is both an art as we'll as science so it relating to certain skills, principles and format suited for proper delivery in orderly and scientific manner.

A report is a written presentation of factual information based on an investigation or research. Reports arm the basis for solving problems or making decisions. A report is an interpretation of findings trough which the factors that seem to explain what has been observed by researcher in the course of the ady can be better understood and it also provides a theoretical conception which can serve as a guide further researches.

#### · OBJECTIVES OF THE STUDY

- To know the concept of research.
- To know the principles of research report writing.
- . To understand the process of research report writing.

#### RESEARCH METHODOLOGY

The research methodology used for the present research article is traditional doctrinal research method. Most of the information collected from various published sources such i.e. magazines, suppapers, journals, books and various other publications, moreover some important information is also collect from relevant websites. The present study is descriptive in nature.

#### MEANING OF RESEARCH

word research is composed with two syllables re and search as defined re means again and search means examine closely and carefully.

secording to Robert Ross, "Research is essentially an investigation, a recording and an analysis of midence for the purpose of gaining knowledge." It can generally be defined as a systematic method of finding solutions to problems.

Research is systematic and scientific efforts to acquiring the knowledge or gaining the knowledge is search or research means search and search new things. Research is careful investigation or inquiry specially trough search for new facts in any branch of knowledge.

#### PRINCIPLES OF RESEARCH REPORT WRITING

sport wring differs from person to person depending on personality, imaginative and creative abilities, operience, and training. However, most researchers agree that the following general principles must be sept in mind to produce a better research report. These principles are often called as qualities or equirement of a good report.

#### Selectiveness:

It is important to exclude the matter, which is known to all. Only necessary contents should be included as save time, costs and energy. However, care should be taken that the vital points should not be missed.

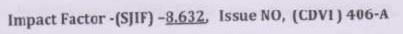
#### Comprehensiveness:

Report must be complete. It must include all the necessary contents. In short, it must contain enough detail to convey meaning.

#### Cost Consideration:

must be prepared within the budgeted amount. It should not result into excessive costs.

#### Aadhar' International Peer-Reviewed Indexed Research Journal



ISSN: 2278-9308 April, 2023

har as possible, research report must be prepared carefully. It must be free from spelling mistakes and grammatical errors.

Objectivity:

Seport must be free from personal bias, i.e. it must be free from one's personal liking and disliking. The must be prepared for impersonal needs. The facts must be stated boldly. It must reveal the bitter It must suit the objectives and must meet expectations of the relevant readers.

Report must reveal the facts clearly. Contents and conclusions drawn must be free from ambiguities. In mort, outcomes must convey clear-cut implications.

Preciseness:

Research report must not be unnecessarily lengthy. It must contain only necessary parts with adequate exciption.

Simplicity:

Report must be simple to understand. Unnecessary technical words or terminologies should be avoided.

Proper Language:

Researcher must use a suitable language. Language should be selected as per its targets users.

Research report must be reliable. Manager can trust on it. He can be convinced to decide on the basis of search reports.

Proper Format:

le ideal report is one, which must be prepared as per commonly used format. One must comply with me contemporary practices: completely a new formant should not be used.

Report must be attractive in al the important regards like size, colour, paper quality etc. Similarly, it would use liberally the charts, diagrams, figures, illustrations, pictures and multiple colours.

RESEARCH PROCESS:-

Planning of research means deciding the question to be studied, setting the objectives of the study and determining the means of achieving those objectives. Planning research refers to determining, in advance, various steps to be followed in a research process

Lidentifying, Evaluating and Formulating the Research Problems-:

After creating interest in a research work, a researcher has to think about formulating the problem related to his research work. Selecting a correct problem for study is the most important phase in the shole research process. After selecting the problem, the researcher has to formulate the problem.

2 Extensive Literature Survey:-

Before formulating the research it is desirable that researcher review all available literature, both conceptual and empirical. The conceptual literature is one which deals with concepts and theories. Empirical literature means studies made earlier and so it includes many facts and figures observed in the earlier studies.

3. Writing a Primary Synopsis:-

After formulating the problems a short summary of it should be written down. A researcher has to write a synopsis of the topic selected for research work mentioning the summary of what is going to be done under his research.

4. Indentifying and Labeling Variables:-

In any research the problem under study deals with relation between variables. The variables whose change has affected the other variable, is called independent variable. Therefore there is a cause and effect relation between the variables. It is only through this process of establishing the effective relation between variables that meaningful conclusions are derived from the study.

5. Setting the Hypothesis:-

Specification of hypothesis is a basic step in the research process. A hypothesis is a tentative conclusion logically drawn. The research work is conducted to test the truth of this hypothesis.

6. Preparing the Research Design:-

A research design is a plan that specifies the sources and types of information relevant to the research problem. It is the process of gathering and analyzing the data. It includes the time and cost budgets since

#### Aadhar' International Peer-Reviewed Indexed Research Journal



#### Impact Factor - (SJIF) -8.632, Issue NO, (CDVI) 406-A

ISSN: 2278-9308 April, 2023

studies are done under these two constraints. A research design provides a rational approach to search enabling one to decide in advance what to do, how to do, in investigating the subjects.

Determining the Sample Design:-

sample design is a definite plan determined before any data are actually collected for obtaining a sple from a given universe. Sample design refers to the technique or the procedure which the searcher would adopt in selecting some sampling units from the universe for drawing inferences about universe.

Collecting of Data: -

are observation method, direct personal interview method, telephone interview method, sestionnaire method, Schedule method. Use one of these methods for the collection of data.

Execution of the Project:-

researcher has to see that the project is executed in a systematic and scientific manner and in time.

searcher should make necessary task for successful conduct of the project.

Processing, Analysis and Interpretation of Data with Statistical Methods: -

processing of data consists of classification, tabulation and coding. By classification and tabulation unwieldy data can be condense into few manageable and purposeful groups and tables so that further may be becomes simple. Coding converts the data into symbols and small figures so that the data can adult with in an easy manner. Analysis and interpretation of data results in conclusion, induction and materials. For this various statistical measures are computed.

Testing of Hypothesis: -

Preparation of the Report:-

report is a detailed description of what has been done and how it has been done with respect to a micular area. The report should contain the preliminary section, the main body and the end matter. The preliminary section contains only titles, data, acknowledgement foreword and table of contents. The portant section of a report is its main body. It carries introduction, methodology. Statements of dings, conclusions and recommendations. The end matter includes appendix, literature selected and biography. The appendix includes letters, questions or other tools used. Bibliography is the list of takes, journals. Reports, bulletins etc. used for reference.

CONCLUSIONS

search report is the final stage of every research in which research procedure, analysis, findings and forth aspects of research efforts are presented in systematic and scientific way. The general purpose research report is to convey the sufficient details of research works. It not only convincers the readers let them known about the finding s of already carried out research or project work or the purpose of work have been done. Writing a report is both an art as we'll as science so it is relating to certain the purpose of th

FERENCES

Dr. Vijay Upagade and Dr. Arvind Shende (2012), Research Methodology, S. Chand Publishing, New Delhi, ISBN-81-219-3222-X.

Dr. C. R. Kothari (1990), Research Methodology Methods & Techniques, New Age International (P) Ltd. Publishers, New Delhi, ISBN-978-81-224-2488-1

https://gfgc.kar.nic.in/magadi/GenericDocHandle://32-b29ae961-fb2a-413c-91a7-fc8599f21be0.pdf https://www.sscasc.in/wp-content/uploads/downloads/MCOM/Business-Research-Methods.pdf



#### SWOC Analysis of E-Commerce

#### Dr. Satyanarayan R. Rathi

Associate Professor, Dept. of Commerce E. K. M. College, Manwath Dist. Parbhani. (MS)

#### Introduction:

In the last two decades seemed and smart phone have change the see of a like present position is that human being carnot arrive whout the technology Internet and smart place to the world. In the age of technology, the e-commerce has more significant. With the economic growth, infrastructural decades and internet connectivity the e-commerce measures have increased drastically. E-commerce to the buying and selling of goods or the transming of funds or data and providing services, over an electronic network, primarily the Internet E-commerce can help to enhance economic growth.

E-Commerce stands for electronic commerce and eaters to trading in goods and services through the electronic medium such as internet, mobile or any other computer network. E-Commerce is basically. doing business as estail, but across the internet. It involves the use of Information and Communication Technology (ICT) and Electronic Funds Transfer (EFT) in making commerce between consumers and organizations, organization and organization or consumer and consumer E-Commerce refers to commercial transactions of goods or services conducted over the internet. Over the past several years, e-integrated with the growing use of internet worldwide, Electronic Data Interchange (EDI) has also mereased in humangous amounts and so has flourished E-commerce with the prolific virtual internet bazaar inside the digital world which is righty tenned as emails. E-Commerce has experienced rapid growth since its humble beginnings with E-Commerce sales projected to grow to 434 2 billion USD by 2017. The power of e-commerce should not be underestimated as it continues to pervade everyday life and present significant opportunity for small, medium and large

#### Objectives of the study: -

- 1. To understand the concept of E-Commerce
- To study the importance of e-commerce through SWOC analysis.

#### Research Methodology: -

The paper is descriptive in nature so the data required for the paper is secondary data. Secondary data were collected from various published and unpublished papers, journals, books, articles, reports, magazines and websites.

#### SWOC analysis of E-Commerce

It is essential to make analysis E-Commerce by SWOC. Strengths show the favorable and advantages of e-commerce, while weakness shows limitations of e-commerce, Opportunities shows if we decrease the weaknesses then opportunities increase. Challenges show possible problems of e-commerce process.

#### STRENGTHS

Competitive advantages can boost a company's strength. An e-commerce company's strengths are unique features that indicate how they differ from their competitors.

#### Convenience to buyer:

E-Retailers are working to improve the convenience factor in order to get customers to use this channel Furthermore, as individuals have increased access to the internet 24 hours a day, the expansion of mobile communication has contributed to the growth of e-retailing.

#### Time saving:

By using e-commerce, a customer saves a significant amount of time. The normal person's life has become exceedingly fast in metros and even smaller communities that are rapidly rising. Price/Product communities?

Consumers may compare prices and products without having to go from one store to another to assess the benefits of the product; instead, they can compare features and cost analysis all in one location.

#### Direct communication with consumer:

Online advertising networks and social networking sites can be used to generate hazz about an online store. It is feasible to direct communication to each consumer utilizing effective technology, either through

ISSN: 2454-5503

Impact Factor: 4.197 (IUIF)

personalized email or customized web pages when access is granted by a recommend over

#### Flexible target murket segmentation:

In e-commerce, the sarget market segment is flexible and can be classed at any time. A significant strategic decision is deciding which market to target. Customers who are most takely to access, choose, and buy online must be targeted by a consider.

#### Simple and easier exchange of information:

Improve information exchange between e-retailers and e-customers.

deliveries Expanded models are e-commerce as a way to reach consumers to the expenses y unreachable. It can include cambilities that ease information interchange, state to be seen activities, and fully integrate the shared so that it faster, cheaper, and easier to adjust and extend in response to changing market dynamics.

#### Faster buying procedure:

Customer service is better and faster with e-commerce. Customers are pleased when they use online customer service, because there are no intermediaries for purchasing things. As a result, the purchasing process will be quick and each

#### Easy transactions:

Financial transactions was electronic fund transfer are extremely quick and may be completed from any location on the planes E-commerce lowers the need for paperwork by a transaction most procedures. It also saves time for both the e-retailer and the e-consumer by eliminating manual business transactions.

#### Niche Products:

Almost everything can be bought and sold via the internet. Even if the product is aimed at a smaller market, the buyer will be found on the internet. For niche products, e-commerce is great. These products usually have a small number of customers.

#### WEAKNESSES:

#### Security:

Customers are perplexed by the security issue, particularly when it comes to the payment process' integrity. Proactive risk management is critical in an electronic environment where market needs, technical requirements, and security issues evolve at a rapid page.

#### Fake websites:

Fake websites can not only embarrass e commerce, but also provide a poor name to the industry. Fraud: A major flaw in e-commerce is the fear of financial and personal data being misused.

#### Long delivery timing:

The delivery time can be measured in days or weeks, which is inconvenient. Supplier selection is critical in purchasing management because it improves quality, reduces delivery time, and lowers purchasing costs.

### No idea about quality and physical condition of the product:

Products purchased online cannot be touched, worn, or sat on. As a result, neither the consumer nor the store is aware of the product's physical state.

#### Lack of personal services:

Physical goods may be available, but personal services, which are intangible, are not.

More shipping cost: If we order online, the shipping cost rises. E-commerce makes shepping more easy, but they didn't realize how much of an impact shipping expenses might have on their bottom line.

#### Limited exposure:

E-retailers will have no or limited visibility in emerging areas where the internet is unavailable. Because of the lack of a distribution network, availability in rural regions is uncommon.

#### Customer's satisfaction:

The customer and the seller have no interaction. As a result, there is no way to persuade the consumer. Customers frequently prefer to purchase products in person rather than on the internet.

#### **OPPORTUNITIES**

#### Changing trends:

E-commerce is quick and efficient, and financial transactions may be completed from anywhere in the world. People of the future will feel more at ease purchasing items solely through the internet.

#### New technologies:

The number of people using the internet on a daily basis is growing. People prefer to shop online since it is more convenient. Because of the rapid rise of e-commerce and the resulting increase in competence, a keen interest in adopting and upgrading new technologies is becoming increasingly vital.

#### Global expansion:

E-commerce businesses can operate at any time and from any location. The future expansion of e-commerce in the worldwide market is projected to be dependent on rapid technology progress and sustained revenue growth in emerging regions.

High availability (24 hour and seven days a week): Business is carried out with each and every click of the

ISSN: 2454-5503

ese. E-retail has a broad scope and a long-term

#### ut down on local competition:

mpetitive advantage. Inrough low pricing and local retail acquisition, an e-retailer can reduce local ampetition.

#### dvertising:

dvertising is less expensive than traditional offline ethods. Product awareness can be increased by dvertising through various media outlets. While the rimary goal is to grow the brand and create top-ofaind brand memory, industry insiders claim that eommerce companies also utilize television dvertising to attract talent and investors.

#### HALLENGES

#### ompetitors:

Big firms have already entered this industry, and ompetition is expanding day by day. They are istilling habits in people at the expense of their usinesses. Due to the danger of internet competitors, nore traditional stores are considering adopting even cemingly bizarre technologies.

#### hanges in environment, law and regulations:

hanges in trends, fashion, and fads can cause e-retail o suffer, as can changes in law and regulations. The e-commerce industry rarely has the ability to influence it affect the macro environment: therefore it must each to changes as they occur. Government policies can also stifle e-commerce by adopting costs-necessing rules, such as those demanding the levelopment and integration of new systems or procedures.

#### Innovation:

Customers nowadays are constantly or the lookout for new and inventive products. Innovation might take the form of a product, a location, a promotion, or even a price. The survival of an e-retailer is in jeopardy if it does not innovate. Utilizing technology that has to be updated or replaced with innovation. IT departments are left scratching their brains as to how to stay up with changing technology and system capabilities, as well as new solutions.

#### Privacy concerns:

Fears of information being misused result in spam email and identity theft. Because of worries about the privacy and security of their transactions and click tabits, many consumers have stopped purchasing things online or have never started.

#### Fraud:

People that operate e commerce in an unethical manner can harm the public's trust and confidence. Because e-commerce relies so heavily on the Internet, numerous fraud examiners are consulted for information on fraud.

#### Risk:

The nature of fraud and risk differs because when a consumer trusts and transacts based on an unseen setup, he trusts and transacts. In this approach, he is prepared to take risks. The level of risk posed by a network or a payment system issue.

#### Conclusions: -

E-commerce is a technological supplement for economy, certainly because of these technology economy has became transparent and dynamic and it will help to economy to become world power economy. Information Technology (11) has boosted ecommerce universal. Now it's easier to enter to a new market and one can evaluate his/her product and companies' performance. It reduces business overhead and enhances business management. A developing country like Incia can be more rationalized and mechanized if it utilizes e-commerce effectively and elliciently. But during the use of e-commerce technology people should take some precautions as well as each and every country should create and execute strong laws, rules and regulation to prevent online crime, otherwise because of wrong use of these technology certainly world can destruct.

#### References: -

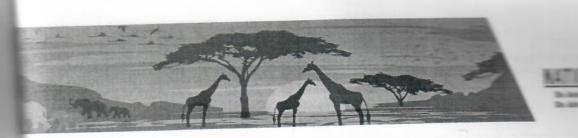
 Awais M (2012), "Advanced SWOT Analysis of Ecommerce", International Journal of Computer Science Issues, Vol. 9, Issue 2, No 2, ISSN -1694-0814, pp. 569-574.

 Yadav K (2014), "SWOT Analysis of U-Cammerce" Advance in Electronic and Electric Engineering, ISSN 2231-1297, Volume 4, Number 6 (2014), pp. 663-668.

- 3 Patti D(2014), "E-Commerce-SWOT Analysis" International Journal of Management and Commerce Innovations ISSN 2348-7585, Vol. 2, Issue 1, pp.226-231
- Wam Z A (2016), "Advanced SWOT Analysis of E-Commerce", International Journal of Commerce, Business and Management (IJCHM). ISSN: 2319-2828, Vol. 5, No.2, pp 285-289

5 Sabha S (2017) "SWO1 Analysis of Business or Electronic Commerce (E - Commerce)", International Journal of Ecucation and Research Vol. 5 No. 5, ISSN: 2411-5681, pp105-112.

 Kumar R E (2017) "SWOT Analysis Of Online Shooping Models" international journal of current engineering and scientific research. ISSN (PRINT): 2393-8374, VOLUME-4, ISSUE-6, pp 28-31.



#### Theme

Ecology- Animal and Habitat Interaction, Ecological Habitat and Animal Survival

EA-51 to EA-66 (PP)

#### EA-51

## Review on Conservation of Natural Habitats for future life in India Sandip R. Rathod

Katruwar Arts, Ratanlal Kabra Science & B.R.Mantri Commerce College, Manwath Dist.-Parbhani. (MH) India.

#### Abstract:

Natural habitat is natural resources, conserve and protect this natural habitat from destruction. We know about these natural habitats are firms of these living organisms. This habitat destruction occurs by anthropogenic interference by means of hunting, urbanization, and utilization of natural resources. Due to loss of natural habitat climate changes, these changes directly effect on environmental changes, temperature fluctuation should be forms different types of unwanted virus and bacteria and they are badly effect on human beings. India is mega biodiversity in the world, but this biodiversity is not maintained properly. Biodiversity is maintaining by natural habitats. In world India is one of the countries have richest biodiversity but due to destruction of natural habitat extinct many significant species from India.

Keywords: Conservation, Natural Habitat, Organism.

#### **EA-52**

Molecular marking of fluctuation in temperature: A Novel Method of Genetic Analysis assists to analyzeeffect of Global warming

Vadekar V. R., More M. B., Gaikwad A. M., Chati R. S. and Salunkhe S. S.

Department of Zoolgoy

Shri Shivaji Mahavidyalaya Barshi gaikwadanantm@gmail.com

#### Abstract

Present investigation gives the account of effect of fluctuated temperature on the polytene chromosome of Chironomus larvae, significant in to analyze the effect of variation in temperature which referred as global warming. Stresses of variation in temperature observed on polytene chromosome these marked in the genetic sign known as molecular marking.

-9999<sup>59</sup>

#### MULTILOGIC IN SCIENCE

ISSN 2277-7601

An International Refereed, Peer Reviewed & Indexed Quarterly Journal for Applied science AL ISSUE, Feb 2023 CONSTRUCT ARTIFICIAL NATURAL FOREST IN INDIA TO BALANCE BIODIVERSITY

Sandip R. Rathod

Katruwar Arts, Ratanlal Kabra Science & B.R.Mantri Commerce College, Manwath Dist- Parbhani.(MH)

rathod.sr@gmail.com



#### RESEARCH PAPER IN ZOOLOGY

doping country and India is Seventh largest country by area (3,287,263 km²) and also have second largest population country in has mega biodiversity country among the biodiversity countries of the world is 12th place. India has four biodiversity hotspot such Western Ghats, the indo-Burma region and the Sundaland. In India human population density on biodiversity hotspots, it is given aral environment as well as natural habitat. To conserve the Indian natural habitat as well as create new artificial Natural forest n to maintain biodiversity and ecosystem in future life of India.

est, Biodiversity, conservation, life.

rally drawn a variety of landscapes in our country. Many been fixed as Biodiversity Hotspots such areas that have and diverse flora and fauna. Many flora and fauna are of getting endangered. In India four out of the 36 Hotspots in the world are present. The Himalayas, The The Indo-Burma region and The Sundaland. totspot significant global value as they contain species and The term biodiversity hotspots were coined by Norman Biodiversity very rich at western ghat in India.

most biodiversity region in the world with a Bio D score Biodiversity Index in 2020, 102,718 species of fauna and cover of 23.39% of the country geographical area in 2020 edudes a wide range of biomes: deserts, high mountains, pical and temperate forests, wetlands, plains, grasslands, as well as island archipelagos.

Forest is derived from Latin word 'Fores' are meaning reference being to a village boundary or fence and it acultivated land. A great variety of forests are found in of India due to unequal distribution of rainfall, well as their seasonal variation, besides varied biotic forests perform an important role to make a healthy and it reduce air pollutions. Accordingly, the forests in e divided five categories first moist tropical forest, Dry Montane temperate forest, Montane sub tropical forest Forest. In India, about 20.6% of the country total area is covered by forests. This is much lower than the of 30.4%. According to the National Forest Policy, the entage of forests should be around 33% of the total area. and the largest forest area in India. In terms of total area, Andaman and Nicobar Islands, Arunachal Nagaland are the most prosperous regions and these more than 80% of the geographical area under forests.

#### and method:

botspots in India have been observed and the current with, utilization natural resources and developed different for human comfort life and its effect on environment have and logically.

#### Conclusion:

#### of Natural Forest:

have been depends forest from ancient period, but from miles there has been extensive degradation forest land produced a mosaic of natural and managed ecosystem in cape. Removal of forest cover has created isolated patches resulting alternation of the composition, structure, extend sattern of forest land. As ecological pattern, function and associated with the landscape shape, contiguity and Forest fragmentation has series consequence on overall the forest ecosystem through disruption of the contiguity of

the landscape. The important of forest fragmentation and its effect on ecosystem structure and function has been recognized for over half

The Government of India has made a constitutional provision, through the 42nd Amendment Act, 1976; the protection of forests and wild animals and birds was transferred from the State to the Concurrent List. Article 51 A (g) of the Constitution states that it shall be the fundamental duty of every citizen and also protect and enhance the natural environment including forests and wildlife. Article 48 A of the Directive Principles of State Policy mandates that the State shall make efforts to protect and improve the environment and protect the forests and wildlife of the country.

In India, about 20.6% of the country total geographical area is covered by forests. This is much lower than the global average of 30.4%. According to the National Forest Policy, the expected percentage of forests should be around 33% of the total area. Madhya Pradesh has the largest forest area in India. In terms of percentage of total area, Andaman and Nicobar Islands, Arunachal Pradesh, Mizoram and Nagaland are the most prosperous regions and these regions have more than 80% of the geographical area under forests. For a prosperous India, there is a need to increase forest area, and for that, there is a need to create natural artificial forests.

#### Habitat fragmentation

Habitat fragmentation leads to further endemic species extinction; we examined the dynamics of species number following sudden habitat loss. It is clear that immediately following the loss of habitat, the first species to go extinct are the ones whose entire populations resided within the lost area. In the course of time, however, further species may go extinct, namely species whose long-term viability was compromised by the elimination of the populations directly affected by habitat loss. Species area relationship (2).

Impact of climate change While there is limited evidence that climate change is causing species extinction, studies suggest that climate change will surpass habitat loss as the greatest global threat to biodiversity in the next few decades (3). At the fundamental level of biodiversity, climate change can reduce genetic diversity. Beyond population diversity due to directional selection and rapid migration that can affect ecosystem functioning and resilience (4). diverse effects on populations are likely to alter webs of interactions at the community level. In short, the effect of climate change on some species may indirectly affect that species (5). We need to create natural artificial forests to prevent climate change, population, loss of natural habitats, and genetic diversity. Therefore, there will be no drastic changes in the climate.

#### National Zoo parks

Government of India has created national zoos for conservation of wild animals but here we do not protect wild animals and natural habitats. Wild animals are not properly protected because these national zoos keep the same species in small confined areas and hence they never

#### MULTILOGIC IN SCIENCE An International Refereed, Peer Reviewed & Indexed Quarterly Journal for Applied science VII, SPECIAL ISSUE, Feb 2023

their own character and never adapt themselves to the artificial nament so these animals live or die as they are. According to s theory (6) that if there is no change in nature, there is no ention and therefore no variation, new characters and new species arise, so we need different species in that fixed region and there ronmental, interspecific and intraspecific conflict in that animal munity. No adaptation means no variation and no origin of life. we will build artificial Natural forests, not only to protect these s but also to protect the natural habitat of these wild animals.

Degradation: a, The land use statistics 2016-2017 the total geographical are of entry is 328.7 million hectares of which 139.4 million hectares is corted net sown area and 200.2 million hectares is grass cropped ath cropping intensity of 143.6%. The net are sown works out to of the total geographical area. The net irrigated area is 68.6

degradation reflects natural or human processes that negatively hectares (7). the functionality and nature of soils in regional ecosystems. Land dation is related to environmental sensitivity, resilience and ing capacity and vulnerability of native species, increasing soil eation (8). As a major environmental threat, land degradation has reached global critical thresholds (9, 10). Different forms of degradation can affect soil quality and productivity and limit and soil ecosystem services in a given ecosystem. We must e soil health and structure and food production and regional ence to climate change and anthropogenic pressures through mable management and reduction of land degradation, especially where environmental vulnerability is already a challenge.

egradation is one of the most serious problems in India, due to growth, urban expansion, industrial activities, climate depletion of soil organic matter and disruption of soil biological es, increasing soil vulnerability, over-exploitation of water resources, over-grazing of open land, etc. Matters are we to natural calamities. To stop all this we need to create Natural forests and we can prevent land degradation and help Environment balance

#### ection of species:

goal resources are an important element in the natural resources forure has given to humans. Anthropogenic impacts on biological Species extinction affects not only biodiversity but also Endangered species like some medicinal plants and animals great importance, for which we need to protect these species for

the better future of India. A natural artificial forest with medicinal plants and animals has to be created to maintain the natural balance.

The authors are thankful to Principal, K.K.M. College, Manwath, Dist.Parbhani-431505 (M.S) India for providing laboratory and library Facilities.

#### References:

- 1. Roy P, Murthy M, Roy A, Kushwaha S, Singh S, et al. (2013) Forest fragmentation in India. Current Science (00113891) 105:774-780.
- Rybicki J, Hanski I (2013) Species-area relationships and extinctions caused by habitat loss and fragmentation. Ecology letters 16:27-38.
- 3. Leadley, P, percira, H.M., Alkemade, R., Fernandz manjarres, j.f., Proenea, V., Scharlmann, J.P.W.et.al. (2010): Biodiversity Scenarios: Projections of 21st Century Change in Biodiversity and Associated Ecosystem Services Secretariat of the Convention on Biological Diversity, Montreal P. 1-132 technical series no. 50.
- 4. Botkin, D. B., Saxe, H., Araújo, M. B., Betts, R., Bradshaw, R. H., Cedhagen, T. & Stockwell, D. R. (2007). Forecasting the effects of global warming on biodiversity. Bioscience, 57(3), 227-236.
- Koh, L. P., Dunn, R. R., Sodhi, N. S., Colwell, R. K., Proctor, H. C., & Smith, V. S. (2004). Species coextinctions and the biodiversity crisis. Science, 305(5690), 1632-1634.
- Darwin's, C. (1859). On the origin of species. Published on,
- 7. Government of India (2020-21): Annual Report department of agriculture cooperation and farmer's welfare, ministry of agriculture and farmer's welfare.
- Zorn, M., and B. Komac. 2016. Land degradation. In Encyclopedia of natural hazards. Encyclopedia of Earth sciences series, ed. P.T. Bobrowsky. Dordrecht: Springer.
- 9. Gibbs, H.K., and J.M. Salmon. 2015. Mapping the world's degraded lands. Applied Geography 57: 12-21.
- 10. Ferreira, C., Z. Kalantari, and P. Pereira. 2021a. Liveable cities: Current environmental challenges and paths to urban sustainability. Journal of Environmental Management 277:
- 11. India adds 557 new species to its fauna: Zoological Survey of India Archived 13 September 2021 at the Wayback Machine, The Hindu, 27 Aug 2021.

## TUST TOTAL

संपादक डॉ. गणेशचंद्र शिंदे

डॉ. संजय जगताप

डॉ. विश्वाधार देशमुख

डॉ. संगीता घुगे

348	विनावर प्रभाव एक अध्ययन	-साबता विद्यालयाः । । । । । । । । । । । । । । । । । । ।	55, संत तुकारामाच्या अभगताल नागण हो। — प्रा. विनायक जाधव	36. दलित साहित्य आणि मानवी मूल्ये मा अमण बळीराम पडधन	57. संत तुकाराम यांच्या काव्यातील मानवी मुन्यांचा शोध	—डॉ. हनुमंत मारोतीराव भीपाळ —————— मन्यांची जोपासना करणारे व्यक्तिमत्व महात्मा बसग्रेश्वर 373	58. समाज तुधारण नामा ६ —प्रा. देविदास गोविद्याव चव्हाण 377	59. अर्थशास्त्रातील नातक भूल्य ५५० १५२०२ —ग्रा. डॉ. डी.डी. भोसले	60. शरदचंद्र मुक्तिबोध यांच्या काव्यातून व्यक्त होणारा मानवा मूल्याचा उपूराच —डॉ. लोणे राजेंद्रकुमार लक्ष्मणराव		520. संत गाडगेबाबा यांनी जीवनात जोपासलेली मानवी मूल्पे —प्रा. डॉ. संजय भाऊराव गिरे	63. प्रशासनातील नैतिकता —डॉ. शिंदे सुरेखा सदाशिवराव	64. आंबेडकरवादी साहित्यातील मानवी मूल्ये —डॉ. ल.ना. वाघमारे	क अवलाकन	66. संत तुकाराम यांच्या अभगातील मानवता —ग्रा. डॉ. पंजाब लक्ष्मण शेरे — ज्यान निकास अदश्य साम्राजिक दबाव आणि मानवी मूल्ये 420	67. 'वन पाट बुमन काप्यम्सामा नहां । —राहुल रमेश चिल्लावार
	263	40. मूल्य संकल्प-। जागा आगा आ जा मार्च सावंत —ग्रा. माया हरी फुलवरे/ग्रा. डॉ. मथु सावंत	41. ग्रामगीतेतील संस्कार मूल्ये	<i>—डॉ. प्रत्हाद दत्तराव भीपे</i> ४० नाम्करी संतांच्या साहित्यातील मानवी मूल्यांचे समाजसुधारणेतील योगदान 281	—डॉ. संभाजी जाधव	43. संत जनाबाई यांच्या अभंगातील मूल्यावचार —डॉ. संध्या जाधव	44. साहित्य प्रकारातून व्यक्त होणारी मानवी मूल्ये —ग्रा. संतोष कल्याणराव हापगुडे	45. अनंतफंदी यांच्या फटक्यातून आलेल्या मानवी मुल्याचे चित्रण	—डॉ. दुष्यत आनदश्य १११५ 46. प्रारंभीची मराठी ग्रामीण लघुकादंबरी आणि मानवी मूल्पे	<i>—डॉ. शिवाजी आनंदराय सूयवशा</i> 47. संत साहित्य आणि मानवी जीवनमूल्ये	<i>—डॉ. राजेंद्र रंगराच राऊत</i> 48. संत तुकारामांच्या अभगवाणीतून व्यक्त झालेली मानवी मूल्ये <u> </u>	—प्रा. डा. भदकुट भारपा 49. अ. दा. आठवले यांच्या वाङ्मयातील मानवी मूल्पे	—डॉ. नारायण शिवशह 50. आंबेडकरी कवितेतील मानवी जीवन मूल्ये 50. अंबेडकरी कवितेतील मानवी जीवन मूल्ये	-पजाब पुजाजा दानर आ राजन अहर । । । विनोद कुमरे यांचा आदिवासी जीवनमूल्ये उजागर करणारा 'आगाजा' 324 - अन्तराम कदम	1 आणि मानवी मूल्ये <i>दारावः पाटील</i>	53. आसाराम लोमटे यांच्या कथेतून येणारे मानवी मूल्यांचे चित्रण — <i>प्रा. डॉ. दत्ता शिदे/संजय नामदेवराव आठवले</i>

11. महाभारत शल्यपर्व 32.59.

12. अभिज्ञानशाकुन्तलम् चर्तुथ अक

मेघदूतम् श्लोक 20 13.

14. श्रीमदुभगवदुगीता

15. चरकसहिता सूत्रस्थानम् 7.51

16. महाभारत उद्योगपर्व 37.9-11

17. www.livestrong.com. Dr. Jeffrey Traister's article on "Seven Emotions and organ pairs".

18. Psycho-Analysis, Dr. B.N. Gupta, Pub. Kurukshetra, Third Eye Foundation.

19. श्रीमद्भगवद्गीता अध्याय 16.21

योगकुण्डल्युपनिषद् 1.43-44 20.

21. नितीशतकम् श्लोक 73

22. नितीशतकम् श्लोक 71

23. महाभारत, शान्ति पर्व 27.12

# 55. संत तुकारामाच्या अभंगातील मानवी मूल्ये

प्रा. विनायक जाधव के.के.एम. महाविद्यालय, मानवत

मध्ययुगात भारतात वेगवेगळ्या प्रांतात अनेक संत उदयाला आले. संपूर्ण भारतात पहिल्यांदा प्रादेशिक भाषेचा व प्रादेशिक संवेदनशीलतेचा समृद्ध अविष्कार घडविला माणसांना जवळचे वाटते. हे संत बहुजनांचे प्रतिनिधित्व करणारे होते. ते विविध संतांनी आध्यात्मिक व सामाजिक चळवळ उभी केली, संतांनी आपल्या अभंगातून आहे. संतांच्या अभंगाची भाषा ही लोकभाषा आहे. म्हणून हे अभंग सर्वसामान्य जाती-जमातीतून आलेले आहेत. त्यांची साधी राहणी आणि क्रनसामान्याविषयी त्यांना वाटणारा कळवळा यामुळे ते लोकांना जवळचे वाटले. त्यांनी धर्मांचे बाह्य अवडबर आणि निरर्धक कर्मकांड बाजूला सारून निखळ धार्मिक तत्वाचा पुरस्कार करत सदाचाराची शिकवण समाजाला दिली. आपल्या अभगातून सत्य, अहिंसा, शांती, प्रेम या तत्त्वांचा पुरस्कार केला. तसा सामाजिक समतेचा आणि बधूभावाचा सदेशही दिला. अशा मानवी मूल्यांचा शोध तुकारामांच्या अभंगातून घेता येईल.

संत त्रकाराम महाराजांचे समाजावर प्रेम होते. म्हणून त्यांचा समाजविषयीचा कळवळा त्यांच्या अभंगातून अनुभवाला मिळतो. तमाजहितामुळे ते देवाच्या, धर्माच्या व अध्यात्म्याच्या नावावर चाललेला अनाचार उघड्या डोळयांनी पाहू शकत नाहीत. त्यावर ते हल्ला करतात. याविषयी सुहासिनी इलेंकर म्हणतात, "तुकारामांनी एखाद्या टुष्ट्या महात्त्याप्रमाणे कालातीत होऊन स्वकालीन सामाजिक उणिवा, अज्ञान, अंधश्रद्धा, भोंदूगिरी व स्वार्थाधता यावर आघात केले. त्यासाठी त्यांनी स्वतःच्या जीवनाला युद्धभूमीचे, अभंगवाणीला संघषचि आणि शब्दांना धारदार शस्त्रास्त्राचे भेदक रूपं दिले."' अशा प्रकारे संत तुकारामांनी मानवी जीवनपयोगी संकल्पना आपल्या अभंगातून उत्स्फूर्तपणे मांडल्या आहेत.

अंधकारातून बाहेर पडण्याचा मार्ग म्हणजे सत्य होय. सत्यामुळे असत्याचा विरुद्धात सत्यनिष्ठा, विवेकनिष्ठा या मानवी मूल्यांवर अभंग रचना केली आहे. अज्ञानाच्या दंड थोपूटून उमे राहण्याची आक्रमकता येते. वेद, शास्त्रा, पुराणे यांनी जे ज्ञान सागितले आहे त्यातून त्यांनी सत्याचा मार्ग शोधला आहे. त्यांनी निर्णय घेताना, निर्णय करताना सत्य काय आहे याविषयी विवेकाने मनाला दिलेली ग्वाही प्रमाण मानली आहे.

सत्य असत्याची मन केले ग्वाही। मानियले नाही बहुमत ॥

M M M M M: W

समाम क्रिमताबाद असलेल ज्याची लोक एकत्र आले तरी त्यांच्या बहुमताला यात

देऊ नये. सत्य काय याचा सामासार बुद्धीने विचार करावा.

त्य सांगताना, सत्य शोधताना, सत्य ऐकतांना वेळप्रसंगी कठोर बनावे लांगले तरी चालेल त्यामुळे पुढे होणारी नुकसान टाळता येते.

सत्य आम्हां मनी। नव्हे गबाळाचे धनी।

ऐस जाणा रे सकळ। भरा शुद्ध टाका मळ। देतो तीश्ण उत्तरे। पुढे दावयासी बरे। (2906)

संत तुकारामाच्या अभंगात विज्ञाननिष्ठा आढळते. त्यांच्या अभंगातील विज्ञाननिष्ठा

त्यांच्या दूरदर्शी दृष्टिकोनाची निदर्शक आहे.

नवसाने मुले होत नाहीत. कोणा बाबा बुवीच्या आशीर्वादाने मुले होत नाहीत असा वैज्ञानिक दृष्टिकोन ते अभंगातून देतात.

नवसे घेई संतती। तरी का करावे लागे पत। (926)

स्त्रीत जननक्षमता नसेल तर तिला मुले होणार नाहीत. तसेच पुरुषच नपुसंक असेल तर बाई प्रजननक्षम असूनही तिला त्याला मुले होणार नाहीत.

वांझा न होती लेकरें। काय करावे भतारें

नपुसका पुरुषाशी। काय करील बाईल त्यासींस (४०३) असे नवसाने, आशीर्वादाने काही होत नसते. असा वैज्ञानिक दृष्टिकोन ते आपल्या अभंगातून देतात. संत तुकारामांनी आपल्या अभंगातून समतावादी दृष्टिकोन मांडला आहे. त्यांनी विषमतेला थारा दिला नाही. त्यांनी धार्मिक, अध्यात्मिक व सामाजिक क्षेत्रात समतेचा पुरस्कार केला आहे. त्यांच्या मते, परमेश्वर विश्वव्यापक.

चराचरव्याप्त असल्याने मानवामानवामध्ये भेदाभेद मानू नये. *तुका म्हणे याती। हो का तयाची भलतीस (366)* 

यातायाती धर्म नाही। विष्णुदासा।

पुसणे काही जाते कुळ। लागो वेड जळ। (4299) गुणदोष याती न विचारे काही। (4146)

अशाप्रकारे जात ही परमेश्वरांच्या भक्तीच्या आड येत नाही. याबाबतीत डॉ.ल. रा. मोहरीर यांचे मत विचारात घेण्यासारखे आहे. ते म्हणतात, "विषमता ही मुळात मनुष्यकृत असून समता ही नैसर्गिक आहे. म्हणून सर्वभूत मात्रांत समतेचा व्यवहार घडावा, हा आग्रह धरलेला आहे. उच्चनीच भेदभाव पसरवणाऱ्या जातीप्रधेचा त्यांनी निषेध केलेला आहे."

या तुकाराम महाराजांच्या अभंगातून व्यक्त झालेल्या भूमिकेचे स्कटीकरण डॉ. मोहरीर यांनी अगदी योग्य असे केले आहे. ते पुढे म्हणतात, "तुकारामांचा हा विचार जातिव्यवस्थेच्या मूळ सिद्धांतावरच कठोर प्रहार करणार आहे. त्यातून जातीव्यवस्था निर्मूलनाचा त्यांचा सामाजिक समतेचा दृष्टिकोन स्पष्ट होतो." तुकाराम हे समतावादी

358 / मराठी साहित्य व मानवी मूल्ये

संताचा आधार होतो, असे पाहून है दाभिक, पाखंडी लोक संतांना नावे ठेवतात. देवाधमांना जमवून पैसा कमावतात. सत्ता, पैसा व कीर्तीसाठी वाटेल ते करतात. देवाधमांच्या नावाने समाजाचे आर्थिक शोषण करतात. सांच्यावर भावनिक गुलामगिरी लादतात. आपला स्वार्थ साधण्यासाठी समाजाचा साधन म्हणून वापर करतात. आपणंच देव आहोत असे हळूंहळू भक्तांच्या मनावर बिंबवतात. अशा भोंद्रपासून सावध रहावे असे संत तुकाराम आपल्या अभंगातून सांगतात. याविषयी गं.बा. सरदार यांचे मत अगदी योग्य वाटते. ते म्हणतात, "सामाजिक संबंधातून नीतीचा उगम होतो. म्हणूनच तुकारामांनाही ठिकठिकाणी धर्माबरोबर नीतीचाही मुद्दाम उल्लेख केला आहे." तुकारामांनी असा पाखंडी लोकांचा समाचार घेतला आहे. हे लोक कर्मकांडाला महत्त्व देतात. शिष्याचे शोषण करतात. स्वतःचे महत्त्व वाढवितात. स्वतःचे जन्माधिष्टित श्रेष्ठत्व सांगतात, वणांचे श्रेष्ठन सांगतात. अशा पाखंड लोकांचे खंडण करून तुकारामांनी उच्च-नीच, श्रेष्ठ-किन्छ, वर्गाच्या व्यवस्थेला विरोध केला आहे.

मानव हा सर्व प्राणीमात्रात विकित्तित प्राणी आहे. मानवामानवात कोणत्याही शारीरिक भेद नाही. माणूसकी हा मानवाचा सर्वश्रेष्ठ धर्म होय. मानवामधील समत्व भाव हा आपरभाव नाहीसा करत असतो. अशा माणुसकीच्या धर्मावरच तुकारामांची नीतिमत्ता अवलंबून आहे. तुकारामानाही मानवी नीती मूल्यांची साधी सोपी व्याख्या आपरातून केली आहे.

पुण्य परउपकार पाप ते परपीडा। आणिक नाही जोडा हुजा यासी।(1026) परोपकार केल्याने पुण्य मिळते. इतरांना त्रास दिल्याने पीडा किंवा दुःख होते. सत्याचे आचरण करणे हाच खरा धर्म आहे. या संदर्भांत डॉ. आदती कुलकर्णी म्हणतात, "षडविकारांपासून दूर राहण्याचा उपदेश इतर संताप्रमाणे तुकारामांनी केला. विवेक, विचार, संयम, नीती या गोध्यी केवळ तुकारामांनी अध्यात्न्याच्या अंगाने सांगितल्या असेत." हे डॉ. आरती या आचारसंहिता ठरावी अशा दृष्टीनेही त्या सांगितल्या आहेत." हे डॉ. आरती कुलकर्णी यांचे विवेचन तंतीतंत लागू पडते. माणूस मेल्यावर श्राद्ध घालण्यापेक्षा माणूस जिवंत आहे तोपर्यंत त्याची सेवा करावी असे तुकोबाचे सांगणे आहे.

भुके नाही अन्न मेल्यावरी पिंडदान। (1490)

यापेक्षा भुकेल्यांना उपाशीपोटी अन्न द्यावे असे ते म्हणतात. पर स्त्री विषयी त्यांची नैतिकता उच्च दर्जाची आहे. स्त्री-पुरुषांनी व्यभिचार करू नये. व्यभिचारी स्त्री पुरुषांचे तुकाराम महाराजांनी कडक शब्दात निषेध केला आहे.

'प्रणारी जया घडेल गमन। दावी तो वंदन जननीरत' (158) जी गोष्ट परणारीच्या संदर्भात तीच परद्रव्याच्या संबंधात सांगितली आहे. मराठी साहित्य व मानवीं मूल्ये / 359

जोडोनिया धन उत्तम वेव्हारे। उदास विचारे वेच करीता (2964)

उत्तम व्यवहाराने धन जोडावे आणि उदार वृत्तीने खर्च करावे. असे करणाऱ्याला उत्तम गती प्राप्त होईल. सावकारी करून, कीर्तन करून, हुंडा घेऊन, भिक्षा मागून धन मिळू नये. धनसंचय करू नये अशी मानवी मूल्ये तुकारामांनी आपल्या अंगातून सांगितले आहेत. अर्थातच ही मानवी मूल्ये आध्यात्मिक निष्ठेवर अवलंबून आहेत.

समारोप ः संत तुकारामांचे विचार हे मानवी मूल्य जोपासणारे आहेत. त्यांनी आध्यात्मिक व सामाजिक क्षेत्रात समता, सत्य, विज्ञानिष्ठा या मूल्यांचा स्वीकार केला. प्रेम, दया, शांती शाश्यत मानवी मूल्यांची आपल्या अभंगातून मांडली आहेत. त्यांच्या विचारांची आजही आवश्यकता आहे. एकोणिसाव्या, विसाव्या शतकातील अनेक समाजसुधारकाने त्यांच्या विचारांची पुरस्कार केला आहे.

#### طجعا

- इलेंकर सुहासिनी, तुकारामगाथा, मराठी संत साहित्यातील कलशाध्याय, चीवाणी, तुकाराम विशेषांक, प्र. 11
- 2. मोहरीर ल.का., संत तुकारामांची जीवननिष्ठा, सविता प्रकाशन, 1994, पृ. 159
- . तत्रैय, पृ. 164
- 4. सरदार गं.वा. संत वाङमयाची फलश्रुती, महाराष्ट्र साहित्य-परिषद प्रकाशन, पुणे, तृ.आ. 1970, पृ. 108,
  - 5. कुलकर्णी आरती, युग्योध, संत साहित्य विशेषांक, भारतीय साहित्यसेवक संघ, 1998, पू. 26

## 56. दलित साहित्य आणि मानवी मूल्ये

पा. अरुण बळीराम पड्यन मराठी विभाग प्रमुख कै.सी. कमलताई जामकर महिला महाविद्यालय, परभणी

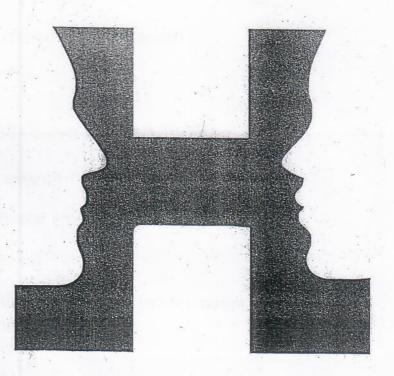
आतापर्यंतच्या जीवन जगण्याच्या सर्व पारंपरिक रुढ, संकेत, आचार-विचारांची उलट मराठी समाज, संस्कृती आणि साहित्यामध्ये 1960 नंतर आमुलाग्र बदल झाले. तपासणी करुन मानवतावादी बुध्दीनिष्ठ, समता, स्वातंत्र्य, बंघुभाव, समान न्याय हक्क अधिकार आदी मानवी जीवन मूल्यांवर आधारित नवसमाज निर्मितीसाठी अनेक सामाजिक प्ररिवर्तनवादी चळवळी मानव मुक्तीसाठी सर्वकष प्रयत्न करत होत्या. भारताने लोकशोध्री प्रभावीपणे अंमलबजावणीला सुरुवात केली. संविधानामुळे आरक्षण, शिक्षणाचे सार्वत्रिकीकरण, श्र्माण राजकारणातील सहभ्रम आदीमुळे समाजातील सर्वसामान्य माणसाला एक भएगूस-एक मूल्य, कायदा व सुव्यवस्था, समान न्याय वित मागास समाजघटकामध्ये जनजेसाती होऊन आफ्रव्या हक्क व आधिकारासाठी नंस्कृती, वर्ण-वंश, उच्च-निच्च अशा गुब्रामगिरीच्या बंधनामध्ये खितपत पडलेल्या प्रस्थापित व्यवस्थेशी संघर्ष सुरु केला. हजेत्से वर्षाप्रसून देव-धर्म, पाप-पुण्य, निसर्ग चित, मागास समाज समुहाला व्यरिवर्तनवादी चळवेळी व समाज सुधारकांच्या ती, आपला निसर्ग, आपले कुटूब, आपले जीवनमान आपली परंपरा ह्या सर्वामध्ये स्व' चा शोध सुरु झाला. त्यातून भ्रमनिराशा प्राप्त झाल्यामुळे आपले पर्यायाने समस्त समाजबांधवाचे स्थान, दर्जा, बदलत्या काळ व जीवनमूल्याचा सहप्रवाशी होण्यासाठी रस्थापित समाज व्यवस्थेशी मानवमुक्तीचा संघर्ष सुरु झाला. परिणामी ग्रामीण, दलित, आदिवाशी, स्त्री, भटके-विमुक्त ह्या समाज समुहाने पारंपरिक गुलामगिरीच्या श्रृंखला कार्यामुळे स्व अस्तित्वाची ओळख्ं झाली. परिणामी आपला इतिहास, आपली संस् उध्दयस्त करत नवसमाज निर्मितीसाठी सामुहीक सर्वकष प्रयत्न केले. ह्या मानवमुक्तीच्या परिवर्तनवादी चळवळीसाठी साहित्याचा एक प्रभावी माध्यम म्हणून स्वीकार करत त्यातून एक स्वतंत्र व्यासपीठ निर्माण झाले. त्यापैकी दलित सारित्य प्रवाहाला गोता बुध्द, डॉ. आंबेडकर, म.फुले, शाह महाराज यांच्या विचारांचे आधिकार वाच्या साहित्याने मानवी मुल्यांचा प्रस्कार प्रका प्राप. वर्ष STRINGT, WALLSTON, SHEEFSBOOK,

### CHRONICLE OF HUMANITIES AND CULTURAL STUDIES

A Peer Reviewed Bimonthly International Journal

VOL. 8 | ISSUE 6| NOV - DEC 2022

Book 3



Editor in Chief

Dr Kalyan Gangarde

Guest Editors

Dr Vasant Satpute
Dr Vitthal Ghule
Dr Haribhau Kadam

#### CONTENTS

1.	पंचायत राज व्यवस्था आणि प्रशासकीय सुधारणा	
	सुभाष किशनराव पोले	06
2.	महाराष्ट्रातील सत्यषोधकी जलसा चळवळ	
	डॉ. धर्मराज शिवाजी पवार	. 13
3.	मराठवाडयातील उच्च रिक्षणाची सद्यःस्थिती	
	स्वाती बालासाहेब देशमुख	18
4.	आदिवासी साहित्य गायकवाड सुनिता रामराव	
5.	भारतीय समाजातील विस्थापीतांचे पुर्नवसन एक अभ्यास	21
J.	हाँ. गोपाळ मदन गांगर्डे	0.4
6.	वर्तमान मराठी भाषा व साहित्य (विशेष संदर्भ 'गिनिपिग' कादंबरी )	24
	प्रा. डॉ. काळे बी. एम.	07
7.	मानव संसाधन व्यवस्थापन	27
	डॉ. शिंदे सुरेखा सदाशिवराव	
8.	राष्ट्रीय कुटुंब कल्याण कार्यक्रमाचे महिलांच्या आरोग्यस्थिती तील योगदान	30
0.	डॉ. सुषमा शंकर तिनगोटे	
9	दलित साहित्यातील निवडक आत्मकथने	34
٥.	प्रा.राहुल भागवत गायकवाड	27
10.	गुप्तकाळ प्राचीन भारतीय संगीतातील एक सुवर्णयुग	37
	अमोल शेषराव गवई	44
11.	लिंग भेद व व्यावसायिक समाजकार्य	••
40	डॉ. चंदु रामभाऊ पाटील	47
12.	नागरी सहकारी बँका आणि पतसंस्थाच्या कर्जवितरणाचे तुलनात्मक अध्ययन	
40	डॉ. आर. एस. शिंदे, कोकरे तुकाराम सिताराम	49
13.	शैक्षणिक क्षेत्रातील खाजगीकरण	
	सुचिता सुभाषराव ढोणे	52
14.	स्वातंत्र्याच्या अमृत महोत्सवानिमित्त निवडक मराठी साहित्यिक विचारवंतांचा मुल्यात्मक प्रबोधन जागर	
	प्रा.पुरुवात्तम प्र.सूय	55
15.	घटस्फोट भारतीय समाजातील एक सामाजीक समस्या	
16	साराम् कार्रमः कार्रमः स्वापंत्र सम्मार्थकः वर्षाः	60
10,	सायबर क्राईम : ज्वलंत सामाजिक समस्या आणी जनजागृती	*:
17	प्रा. डॉ. सुनिता आत्माराम टेंगसे	62
11.	कवी देविदास माने यांच्या मनमौन कवितासंग्रहातील राष्ट्रभक्ती	Page 2
10	डॉ. बालाजी विट्ठलराव डिगोळे	66
10,	घटस्फोट समस्येचे समाजशास्त्रीय दृष्टिकोनातून विश्लेषण	,
	प्रा.विक्रम लक्ष्मणराव भुतेकर	71

4

CHRONICLE OF HUMANITIES & CULTURAL STUDIES (CHCS) ISSN: 2454-5503	Impact Factor: 4.197 (IIJIF)
19. डॉ. बाबासाहेब आंबेडकर यांचे मराठी पत्रकारितेतील योगदान	(13)17
गणेश शंकर घनसावंत	74
20. परभणी जिल्ह्यातील आर्थिक विकासाचा भौगोलिक अभ्यास	
प्रा. डॉ. बी.के. गायकवाड	77
21. पालि साहित्याचे स्वरूप व महत्व	
प्रा. डॉ. सारिका विष्णू केदार	81
22. पराठी कादंबरीतील शेतकऱ्यांच्या आत्महत्येचे चित्रण	
प्रा.विनायक जाधव	84
23. बा. सी. मर्ढेकरांच्या सौंदर्यशास्त्राचा मराठी समीक्षेवरील प्रभाव	
डॉ निलेश एकनाथराव लोंढे	86
24. महिला शेतमजुरांची भूमिका	
प्रा.कु.अलका मारुती कचरे	89
25. रांगीतावर अर्थार्जन करणाऱ्या स्त्रियांची सामाजिक स्थिती – एक मूल्यमापन	
प्रा.सौ.सविता कोकाटे- परांडे	92
26. हवामान बदल	
भगवान राजेभाऊ गंडे	95
27. Gender Equality in The Field of Employment	
Ms. Rhea Eleanor Rhine	98
28. A Study on Corporate Governance Mechanism in India	
Ms. Tanveen Kaur	101
29. Progress and Problems of Women in Indian Society  Ms. Vaishnovi S. Pawar	40.5
30. Impact of Goods and Service Tax on the rising Indian Economy	105
Shilpa Rajagopal	108

#### मराठी कादंबरीतील शेतक-यांच्या आत्महत्येचे चित्रण

प्रा.विनायक जाधव के के एम महाविद्यालय

प्रस्तावना: मराठीत कादंबरी हा साहित्यप्रकार अगदी अलीकडे विकसित झाला आहे. इंग्रजी कादंबरीच्या अनुकरणातून मराठी या साहित्य प्रकाराचा विकास झाला आहे. भारतीय समाजाचा पाश्चात्य संस्कृतीशी आलेल्या संपर्कातून मराठीत कादंबरी वाङ्म्य प्रकार रुजला. आपल्या संस्कृतीत असलेल्या पूर्वकथन परंपरेची नाते जोडून तो विकसित झाला आहे. मराठीत कादंबरीने अनेक विषय हाताळलेले आहे. साठोत्तरी कालखंडात मराठीत कादंबरीत दलित, ग्रामीण, स्त्रीवादी, आदिवासी असे विविध प्रवाह निर्माण झाले.

भारत हा कृषीप्रधान देश असल्याने अगदी वेदापासून ते आजपर्यंतच्या साहित्यात शेतीचे ग्रामीण जीवनाची चित्रण आले आहे. मराठी ग्रामीण कादंबरीही याला अपवाद नाही. ग्रामीण कादंबरीत ग्रामीण जीवनाची वास्तवपूर्ण चित्रण केलेले असते. "ज्या कादंबरीत ग्रामीण संवेदना आविष्कार झाली असेल आणि तिच्या शहरी व नागर संवेदनाचा अभाव असेल ती ग्रामीण कादंबरी म्हणून ओळखली जाते." ग्रामीण कादंबरीत ग्रामीण जीवन त्यातील संस्कृती, आधुनिकरणाने झालेली बदल, ग्रामीण जीवन, शेतकऱ्यांच्या विविध समस्या ही असे आश्रयसूत्र येतात.

1960 नंतर शिक्षणाचा प्रसार खेड्यापाड्यात झाला. शिक्षण घेऊन उदयाला आलेली नवी पिढी आपले अनुभव, प्रश्न साहित्यातून मांडू लागले. ग्रामीण साहित्याचे एक नवे विश्व मराठी साहित्यात अवतरले. या काळात मोठ्या प्रमाणावर मराठी ग्रामीण कादंबरी लेखन झालेले आहे.

1991 मध्ये भारताने खुले आर्थिक धोरण स्वीकारले. या धोरणाचे अनेक बरे-वाईट परिणाम कृषी क्षेत्रावर झाले आहेत. कृषिमालाचे दर हे आंतरराष्ट्रीय दरावरून ठरत असल्याने भारतीय शेतकऱ्यांना कृषिमालाचे दर कमी मिळत आहेत. कमी दरामुळे शेतकऱ्यांचा तोटा होत आहे. शेतकऱ्यांचे आर्थिक गणितच बिघडले आहे. भांडवलदार व विकसित देशातील शेतकऱ्यांपुढे भारतीय शेतकरी टिकाव धरू शकत नसल्याने भारतात शेती क्षेत्रातील निराशावादी वातावरण बनले आहे. याचा परिणाम अनेक शेतकरी आत्महत्या करत आहेत. शेतकऱ्यांच्या आत्महत्यांच्या कारणाचा शोध घेण्याचा प्रयत्न अनेक मराठी कादंबरीकाराने केला आहे. यात विशेषतः विदर्भातील कापूस उत्पादक पट्ट्यातील शेतकरी 'बारोमास' मधून आला आहे. तर अतिरिक्त उसाच्या उत्पादनाच्या समस्यांना तोंड देणारा शेतकरी 'रिक्त-अतिरिक्त' मधून आल्याची दिसून येते. या दोन्ही

कादं ऱऱ्यात शेतकऱ्यांच्या आत्महत्यांच्या आलेल्या काऱ्णाचा शोध घेता येईल.

बारोमास

सदानंद देशमुख यांनी 'बारोमास' या कादंबरीतून सुभानराव या कापूस उत्पादक शेतकऱ्यांची कुटुंबकथा चित्रीत केली आहे. सुभानराव व त्यांची पत्नी शेवंता माय हे विदर्भातील सांजोळ या छोट्याशा गावातील 26 एकर कोरडवाहू जमीन असलेला शेतकरी आहे. ते कष्टाळू, जिद्दी व सुसंस्कारित आहेत. सुभानरावंकडे कोरडवाहू शेती अतल्याने ते आपल्या शेतात वर्षातून एकच पिक घेतात. त्यामुळे त्यांचे शेतीचे उत्पन्न हे कमी असते म्हणजेच ते दारिद्रय जीवन जगतात. आपले दारिद्र्य दूर व्हावे, आपल्या वाट्याला आलेले दुःख आपल्या मुलांच्या वाटेला येऊ नये, म्हणून ते पोटाला चिमटा घेऊन आपल्या दोन्ही मुलांना उच्च शिक्षण घेण्यास प्रोत्साहन देतात. मुलेही जोमाने शिक्षण घेतात. त्यांना वाटते की आपल्याला शिक्न नोकरी लागली तर आपलं दारिद्र्य दूर होईल. याबाबतीत शेवंताबाई म्हणते, "एकूबाळा... शाळेत जाय बाळा... शाळेबगर कोणाचंच भलं व्हत नाई. शिकला की मंग महा ऐकू साहेब होईल... महा लेक पगारदार झाला की, माह्यापुढं नोटाच्या गड्या आणून देत जाईल. मंग मी तुम्हा लोकाले सोडून कुठेही जाणार नाही. व्हायचं नं तुले साहेब?" अशी शेवंतामायची इच्छा पूर्ण करण्यासाठी एकनाथ एम.ए., बी.एड. प्रथम श्रेणीत उत्तीर्ण होतो. परंतु संस्थाचालकाला द्यावयास एक लाख रुपये नसल्याने त्याला नोकरी लागत नाही. तसेच एकनाथाचा लहान भाऊ मधु तनपुरे हाही सुशिक्षित बेकार असतो. तो साठे नावाच्या व्यक्तीला नोकरी लावण्यासाठी शेताचा तुकडा गहाण ठेवून एक लाख रुपये देतो. नोकरी लागत नाही सावकार कल्याणीचा मळा हा शेतीचा तुकडा नावावर करून घेतो. याचबरोबर 'बारोमास'मध्ये ग्रामीण भागातील भ्रष्टाचाराचे संदर्भ येतात. उदाहरणार्थ बळीमामाला तलाठी सातबारा घेण्यासाठी चकरा मारायला लावतो. तर तुळशीरामच्या मदतीने पन्नास रुपये दिले की सातबारा देतो. आमदाराचा पी.ए. अनेकजणाचे पैसे घेऊन पळून जातो. अशा प्रकारे ग्रामीण भागातील लोकांना भ्रष्टाचार करून अनेक जण लुबाडतात. शेतकऱ्यांना उत्पादन खर्चावर आधारित शेतीमालाचा दर मिळत नाही. हे वास्तव 'बारोमास' मधून शेतकरी संघटनेच्या आंदोलनाच्या निमित्ताने येते. एकनाथ सुशिक्षित असल्याने त्याला ते समजते. तो शेतकरी संघटनेच्या आंदोलनात सहभागी होतो. अशा प्रकारे शेतकऱ्यांच्या अल्प उत्पन्न, दारिद्र्य, उत्पादन खर्च वर आधारित भाव न मिळणे, मुलांना शिकवून नोकरी न लागणे, खाजगी सावकाराची कर्जबांजारीपणा अशा अनेक कारणाने शेतकरी आत्महत्या करतात. हे वास्तव लेखकाने 'बारोमास' मधून चित्रित केले आहे. रिक्त-अतिरिक्त

रा.रं. बोराडे यांच्या 'रिक्त-अतिरिक्त' या कादंबरीतून नाथाप्पा खंदारे या अल्पभूधारक ऊस उत्पादक शेतकऱ्यांची कथा आली आहे. नाथा आप्पाला सिदराम आणि केदार दोन मुत्रे आहेत सिदराम विवाहित आहे. त्यांची मुलगी अनिताचा विवाह, हुंड्याचा प्रश्न लेखकाने मांडला आहे. नाथाप्पा आपल्या मुलगा सिदरामला म्हणतात, "सिदराम आपण एक करायचं का... उसाच्या बिलाला आपुन धक्का लावायचा न्हाई. उसाचं बिल आपुन अनूच्या लग्नासाठी राखून ठिवायचं." मुलीच्या लग्नात मोठ्या प्रमाणावर खर्च करावा लागतो म्हणून ते मुद्दाम उसाची लागवड करतात. दरम्यान सवंदगावचे पाहुणे येतात. त्यांची सोयरीक होते एक लाख हुंडा आणि दोन अंग उजवून द्यायचे ठरते. नाथाप्पा ऊस गाळपाला गेल्यावर हुंडा देणार होते. परंतु त्यावर्षी उसाच्या अतिरिक्त उत्पादन झाल्यामुळे साखर कारखाना ऊस नेत नाही. परिणामी ठरलेला हुंडा न दिल्यामुळे त्याचा विवाह मोडतो. याचे नाथापाला दुःख होते. साखर कारखान्यांकडून ऊस उत्पादक शेतकऱ्यांची होणारे लुबाडणूक थांबण्यासाठी तसेच ऊसाला एक रक्कमी एफ आर.पी. मिळावा यासाठी शेतकरी संघटना आंदोलन करते याचे वर्णन या कादंबरीतून आले आहे.

नाथाप्पाचा मुलगा केदार हा बी.ए., बी.एड. शिक्षण घेऊन त्याला संस्थेवर नोकरी लागण्यासाठी डोनेशन द्यायचे असते. त्यासाठी तो आपल्या हिस्याची जमीन विकण्याचे नाथाप्पाला म्हणताच त्यांच्यात वाद होतो. नोकरीसाठी तो संस्थाचालकाचा जिल्हा परिषदेमध्ये प्रचार करतो. आपल्या ऊसाकडे तो लक्ष देत नसल्यामुळे पिता-पुत्राचा संघर्ष होतो. एकंदरीत बारोमास व रिक्त-अतिरिक्त या दोन्ही कादंबऱ्यातून शेतकऱ्यांच्या आत्महत्येचे चित्रण येते. हे शेतकरी

जरी वेगवेगळे पिके घेणारे असले व ते कोरडवाहू किंवा बागायते असले तरी त्यांच्या समस्या जवळपास सारख्याच आहेत. या समस्या आर्थिक प्रश्नाशी संबंधित आहेत. त्यांचे उत्पन्न व असल्यामुळे अनेक आर्थिक समस्या निर्माण होतात. याचे चित्रण दे कादंबऱ्यातून आलेले आहे. समारोप

ISSN: 2454-5503

एकंदरीतच मराठी कादंबरीतून शेतक-यांची मुले ही शेर्त बेभरवश्याच्या व्यवसायातून दूर जाण्यासाठी तसेच आपले दारिद्र करण्यासाठी उच्च शिक्षण घेत असतात. परंतु त्यांना नोकरी मिनसल्याचे दिसून येते. ते सुशिक्षित बेकार होऊन इकडे तिकडे पि असल्याने मुले व वडील यांच्यात अनेकदा संघर्ष होतो. कधी व नोकरीसाठी जिमनीचा तुकडा विकला जातो. त्याचबरोबर मुल विवाह, त्यासाठी द्यावा लागणारा हुंडा, शेतीचे घटत चाललेले उत्त वाढता उत्पादन खर्च, शेतीमालाला मिळत नसलेला दर अशा अकारणाने शेतकरी आज आत्महत्या करताना दिसत आहे. संदर्भ:

- चंद्रकुमार नलगे, ग्रामीण वांडयाचा इतिहास, रिया पब्लिके कोल्हापूर.
- 2. डॉ.ए.एल. चौधरी व इतर (संपा.), 21 व्या शतकात साहित्यप्रवाह, प्रशांत पब्लिकेशन, जळगाव.
- 3. जयद्रथ जाधव (संपा.), 19 91 नंतरचे ग्रामीण साहित्य : स्व व संदर्भ, संस्कार प्रकाशन, लातूर.
- 4. उत्तम बावस्कर, बारोमास मराठीतील गोदान, अंतर्भूत बारो एक अन्वयार्थ प्रा.डॉ.विजय पाटील संपा. अभ्यंकर प्रकाशन, प्र
- 5. रा.रं. बोराडे, रिक्त-अतिरिक्त, साकेत प्रकाशन, औरंगाबाद.

000

#### मराठी ग्रामीण कादंबरीतील ऊस उत्पादक शेतकरी

#### प्रा.डॉ. पंढरीनाथ धोंडगे

#### प्रा.विनायक जाधव

मराठी विभाग ज्ञानोपासक महाविद्यालय, जिंतूर जि.परभणी

मराठी विभागप्रमुख के.के.एम. महाविद्यालय, मानवत जि.परभणी

#### प्रस्तावना :

स्वातंत्र्यानंतर देशात पंचवर्षिक योजनेच्या माध्यमातून शेतीक्षेत्राला प्राधान्य देण्यात आले. शेती आणि शेतीशी संबंधित उद्योगाला चालना देणारी धोरणे तत्कालीन शासनाकडून आखण्यात आली. शासनानेही विविध योजनांच्या माध्यमातून सिंचनक्षेत्रात वाढ केली. परिणामी उसाच्या लागवडक्षेत्रात सतत वाढ होत गेली. माळरानावर उसाचे पीक डोलू लागले. उसाचे 'गाळप' करण्यासाठी साखर कारखान्यांची गरज निर्माण झाली. यातूनच महाराष्ट्रात मोठ्या संख्येने सहकारी साखर कारखान्यांची उभारणी झाली. सहकारी साखर कारखान्याच्या उभारणीनंतर परिसरात एक वेगळेच वातावरण निर्माण झाले. शेतकऱ्यांचा आर्थिक व्यवहार वाढला. आर्थिक प्रगतीबरोबरच गावांची भौतिक प्रगतीही होऊ लागली. ट्रक, ट्रॅक्टर, जीपगाइयांची संख्या वाढू लागली. शाळा, महाविद्यालये सुरू झाली. 'दुग्धव्यवसाय', 'कुक्कुटपालन', 'पतसंस्था' सुरू झाल्या. स्थानिकांना रोजगारही मिळू लागला. ग्रामीण भागांची अशी चौफेर प्रगती होऊ लागली.

उसाची लागवड वाढत असल्याने साखर कारखान्याची संख्याही वाढत आहे. परंतु, ऊस उत्पादकांना वाऱ्यावर सोडून स्वतःचेच खिसे भरणाऱ्यांच्या हातात कारखान्यांचे नेतृत्व गेल्यामुळे कधीकाळी वैभवाच्या शिखरावर असलेली महाराष्ट्रातील सहकारी साखर कारखानदारी पार कोलमडून पडली आहे. त्यामुळे ऊस उत्पादक शेतकरी मात्र चांगलाच कात्रीत सापडला आहे. त्याचे शोषण दिवसेंदिवस वाढतच आहे. हे कटू सत्य असले तरी वास्तव आहे. याचे चित्रण पाचरुट, साखरफेरा, रिक्त अतिरिक्त या कादंबऱ्यांतृन आले आहे.

सहकारी साखर कारखानदारी क्षेत्रात शेतकरी हा एकाच वेळी ऊस उत्पादक या नात्याने कच्चा माल पुरवठादार व कारखान्याचा सभासद या नात्याने साखर कारखान्याचा मालक अशी दुहेरी भूमिका निभावत असतो. "सहकारी क्षेत्रामध्ये ऊस उत्पादक हेच सहकारी साखर कारखानदारीचे मालक असल्यामुळे ऊस पुरवठा निश्चित करता येतो." हे शेअर्स विक्रीतून शक्य झाले आहे. ऊस उत्पादकाकडून समभाग विक्रीदवारे पैसा गोळा करून कोट्यावधी

रुपयांच्या भागभांडवलातून साखर कारखान्याची उभारणी करण्यात आली. 'साखरफेरा' या कादंबरीत 'महात्मा सहकारी साखर कारखाना' शेतकऱ्यांचाच आहे याचे वर्णन आले आहे. कारखाना प्रशासन व त्याचे चेअरमन झोंबाडे पाटील म्हणतात, "आम्ही कारखान्याचे विश्वस्त आहोत. साखर कारखाना ऊस उत्पादक शेतकऱ्यांच्या मालकीचा आहे. कारखाना वाचंलां तरंच शेतकरी वाचेल आणि सहकारीही वाचेल."<sup>2</sup> साखर कारखाना उभारणीत ऊस उत्पादक शेतकऱ्याने शेअर्स खरेदीसह आपल्या जिमनी दिलेल्या असल्याचे चित्रण 'साखरफेरा' या कादंबरीतून आले आहे.

ऊस पीक वगळता इतर पिकासाठी केंद्र सरकार किमान आधार भाव जाहीर करते. तर ऊस या पिकासाठी कायदेशीर आधार भाव जाहीर करते. यामुळे अधिकचे पैसे देणारे पीक म्हणून ऊसाकडे पाहिले जाते. शेतकरी स्वतःची आर्थिक परिस्थिती सुधारण्यासाठी 'पाचरूट' या कादंबरीचा नायक कारभारी ऊस पिकाचे महत्त्व सांगताना म्हणतो की, "एकदा का ऊस लागला की चार पैसे मिळतील. दुसऱ्यासारखा आपल्याही वावरात ऊस असला म्हणजे कमीपणा वाटणार नाही." हमखास पैसा मिळत असल्याकारणाने शेतकरी आपल्या मुलींच्या अथवा नातीच्या विवाहासाठी ऊस लागवडीला प्राधान्य देतात. "सिदराम आपून भेक करायचं... उसाच्या बिलाला आपून धक्का लावायचा न्हाई. उसाचं बिल आपून अनूच्या लग्नासाठी राखून ठिवायचं" यावर्षी अनिताचा विवाह करायचा असल्याने दोन एकरचा ऊस तीन एकर केला जातो. परंतु ऊस अतिरिक्त झाल्यावर गाळपास जात नाही. परिणामी ठरलेला हुंडा न दिल्यामुळे अनिताचा विवाह मोडतो.

सहकारी साखर कारखाने आपल्या कार्यक्षेत्रात ऊसाची लागवड वाढविण्यासाठी ऊस विकास योजना राबवितात. आपल्याच गटातील व्यक्तींना ऊस पीक कर्ज मंजूर करतात. या कर्जासाठी शेतकऱ्यांना अनेक अडथळ्याची शर्यत पार पाडावी लागते. या योजनेतून वाटप करण्यात येणाऱ्या कृषी निविष्ठा या निकृष्ट दर्जाच्या असतात त्याचा परिणाम ऊस उत्पादन होताना दिसतो. या कृषी निविष्ठाच्या दरात सातत्याने होणाऱ्या वाढीच्या तुलनेत ऊसाचे दर वाढताना दिसत नाही. याविषयी किशा खोत म्हणतो "आदिच्याला धा वर्सामागं जरा सस्ताई हुती. नांगरट स्वस्त होती. नांगरट म्हटल्यावर पाचशात भागायचं. बीबेवळा हजारात बसायचा. पाणीपट्टी कमी होती. खतं जरा स्वस्त हुती... आता सारी म्हागाई. नांगरट सऱ्यासकट हजार रूपय झाली. एकरी. एकराला बी घ्याचं तर गुंठ्याला हजार रूपय. पाणीपट्टी चार हजार...

पुन्हा लावणीचा खर्च." या कादंबरीतील चित्रण हे जवळपास 2005 मधील आहे. इ.स. 1995 च्या तुलनेत त्यावेळी डिझेल महागल्याने शेतातील नांगरट महाग झाली, रासायनिक खताचे दर वाढले आहेत त्या तूलनेत ऊसाचे दर वाढले नाहीत. ही खंत किशा खोत व त्याचे मित्र श्यामा बाळा व्यक्त करतात. त्यामुळे आज महागाईच्या काळात ऊस पिकात हवा तेवढा नफा मिळत नाही.

शेतकऱ्याच्या जीवनात नैसर्गिक आपती ही काही नवीन गोष्ट नाही. उस हे कायम हमीचे उत्पन्न देणारे पीक मानले जात असले तरी नैसर्गिक आपतीचा परिणाम त्याच्यावर होतो. किशा खोताची 4-5 वर्षापूर्वी पाऊस जास्त झाल्याने त्याची लावण कुचंबली होती. दुबार ऊसाची लावण केली ऊस कसातरी वाढविला परंतु त्यावर्षी उत्पादनात फटका बसला. त्याचा लागवड खर्चही निघाला नाही. त्यानंतर त्याचा ऊस दोन-चार दिवसात खारखान्याला जाणार एवढ्यात ऊसाला आग लागली. तिसऱ्यांदा त्याच शेतात ऊस लावतो. ऊसाची लागवड झाल्यावर ऊसाचे कोंब जिमनीतून बाहेर पडताच रोगराई येते. त्यावेळी किशा म्हणतो, "आयला! बाबशा... आता रं... आजून ऊस भुईतन वर आला न्हायी तवर माव्याच्या रोगानं हेला गाठला!" नैसर्गिक रोगराईचा ऊसाच्या पिकावर परिणाम होतो. ऊसाचे वजन कमी होते. पाण्याच्या कमतरतेमुळे होणाऱ्या नुकसानीचे वर्णन 'पाचरूट' या कादंबरीतून आले आहे. 'साखरफेरा' या कादंबरीतून किशा खोताच्या उसाला लागलेली आग तसेच लोकरी मावा पडल्यामुळे झालेल्या नुकसानीची दाहकता समजते.

काहीवेळा पाऊसपाणी भरपूर झाल्याने उसाची अतिरिक्त लागवड होते. परिणामी, साखर कारखाने सर्व ऊस गाळपास नेऊ शकत नाहीत. अतिरिक्त ऊस उत्पादनामुळे शेतकऱ्यांच्या जीवनात निर्माण होणाऱ्या भीषण समस्येचे चित्रण 'पाचरूट' या कादंबरीतून येते. यात कारभारी या शेतकऱ्याची झालेली अवस्था पुढीलप्रमाणे "उन्हाळा आता तापू लागला. कारभारी वणवण फिरत होता. काळजीनं मनात झुरून झुरून तो पार निम्मा झाला. सगळीकडं चौकशी करत होता. सगळ्या कारखान्यांची हीच तऱ्हा झाल्याचं त्याला समजलं. सगळ्या कारखान्यांच्या हद्दीत भरपूर ऊस उभा राहिला आहे. त्यात आपलं काय वेगळं." अशी वैफल्याची भावना कारभाज्याच्या मनात निर्माण होते. यातून ऊसतोडीचे प्रश्न निर्माण होतात. 'रिक्त-अतिरिक्त' या कादंबरीत अतिरिक्त ऊसाच्या समस्याने नाथा आप्पा, व्यंकटराव तांगडे, मंडा बोडके हे ऊस उत्पादक शेतकरी त्रस्त असतात. आपआपल्या पध्दतीने वेगवेगळ्या मार्गाचा अवलंब करून

साखर कारखान्याकडून उसतोड मिळविण्याचा प्रयत्नही करतात. यात काहीला यश येते तर काहींना अपयश येते. धनेश्वर साखर कारखान्याचत्या कार्यक्षेत्रात उसाची लागवड अतिरिक्त झाल्याने शेतकऱ्याचा उस लागवड झालेल्या वेळापत्रकाप्रमाणे जात नाही. वेळापत्रक अशिराने चालते. उस कारखान्याला घालण्यासाठी शेतकरी कारखान्यावर हेलपाटे मारतात. काही शेतकरी वेळापत्रात गोंधळ करून उसतोड चिठ्टी देणाऱ्या अधिकाऱ्यांना लाच देउन उसतोड मिळवतात. ज्याचे लागेबांधे वा विशले नसतात त्यांचा उस शेतात तसाच उभा राहतो. अतिरिक्त उस उत्पादन ही शेतकऱ्यापुढील मोठी समस्या असल्याचे चित्रण 'पाचरुट' व 'रिक्त-अतिरिक्त' या कादंबरीत आलेले आहे.

सहकारी साखर कारखान्याकडून ऊस उत्पादक शेतकच्यांची ऊसाच्या वजनकाट्यातून मोठ्या प्रमाणात लूट केली जात असल्याचे सर्वत्र बोलले जाते. "कारखान्यामध्ये टनामागे किमान 50 किलो इतका ऊस कमी येतो. याच उसाचे बाहेरच्या काट्यावर वजन केले तर ते वजन जास्त भरत असल्याचे निदर्शनास येते." यावरून शेतकच्यांचा ऊस साखर कारखान्यावर आल्यानंतर वजनकाट्यात होणारी चोरी ठरलेली असते. इलेक्ट्रिक वजनकाट्यात टनाला जेवढी चोरी करायची असते तेवढा फरक अगोदरच सेट केला जातो. यासंबंधीचे चित्रण 'साखरफेरा' या कादंबरीत येते. या कादंबरीत शेतकरी संघटनेचे नेते म्हणतात, "... गेल्या कित्येक वर्षात कारखाना गरीब शेतकच्यांची काटा मारून लूट करतो आहे. संचालक मंडळ दरोडेखोरांची टोळी" असल्याचे राजरोसपणे सांगितले जाते. कारखाना प्रशासन मात्र यास काही प्रतिरोध करताना दिसत नाही. याचा अर्थ शेतकच्यांच्या ऊसाच्या काट्यातून लूट केली जात असल्याच्या मताला पुष्टी मिळते.

उस उत्पादक शेतक-यांचे उसाच्या लागवडीपासून ते कारखान्याला गाळपाला जाईपर्यंत अनेक घटकांकडून शोषण होते. यात उस वाहतूकदार व उसतोड कामगार, साखर कारखान्यातील कर्मचारी आदी घटकाकडून शोषण होते. 'पाचरुट' कादंबरीत जो शेतकरी गाडीमागे 70 रु. देईल त्यांच्याकडेच हे गाडीवाले जातात. रिक्तअतिरिक्त कादंबरीत मुकादम उसतोडीचे बक्षीस अधिच ठरवतात. सहकारी साखर कारखाने हे शेतकरी सभासदाच्या मालकीचे असले तरी उसाचा भाव हा साखर विक्री किंमतीनुसार ठरत असतो. साखरच्या विक्री किंमतीवर आंतरराष्ट्रीय बाजारातील साखरेचा भाव, केंद्र सरकारचे आयात-निर्यात धोरण, लेवी साखरेचे धोरण, बफर स्टॉक अशा अनेक घटकांचा चांगला वाईट परिणाम होतो. साखरेला कमी दर मिळाल्यास साखर कारखाने

उसाला कमी भाव देतात. 'साखरफेरा' कादंबरीत साखर निर्यातीला बंदी घातल्यामुळे होणारे नुकसान याचे वर्णन आले आहे. कारखान्याचा मालक या नात्याने सर्वसाधारण सभेत कारखान्याच्या कारभाराविषयी विचारणा करण्याचा अधिकार प्रत्येक सभासदाला असतो. परंतु कारखान्यातील एकाधिकारशाहीमुळे शेतकरी फक्त सभेला उपस्थिती लावण्यापूरताच असतो. त्याच्या मताचा विचार केला जात नाही. साखरफेरा या कादंबरीत वार्षिक सर्वसाधारण सभेसाठी उस उत्पादक शेतकरी मोठ्या संख्येने येतात ते उसाला 1200 रु. टनाला घोषणा करताच शेतकरी व चेअरमन झोंबडे पाटील यांचे समर्थक यांच्यात मारामारी होते. दगडफेक केली जाते. सर्वसाधारण सभेतील चर्चाही आर्थिक प्रश्नाशी निगडित असल्याने अनेकदा या सभेत वाद होताना दिसंतात.

साखर कारखान्यांने ऊस न्यावा यासाठी पायपीट करणारा शेतकरी हाच कारखानदाराकडून दिला जाणारा दर आणि उत्पादनासाठी येणारा खर्च याचा ताळमेळ घालू लागला. यातील तफावत पाहून लढ्याशिवाय पर्याय नसल्याची जाणीव त्याला झाली. तो शेतकरी संघटनेच्या झेंड्याखाली एकवटू लागला. साखरफेरा या कादंबरीतील ऊस उत्पादक शेतकरी ऊस दरवाढीसाठी शेतकरी संघटनेच्या नेतृत्वाखाली आंदोलन करतो. "...आता शेतकरी अडाणी राहिलेला नाही. त्याच्या उसाला पहिला हप्ता आठशे रुपये आणि अंतिम दर बाराशे रुपये मिळालाच पाहिजे. नाहीतर येत्या गळीत हंगामात आम्ही कारखाना बंद पाडू. उसाचं एक कांडंही कारखान्याकडे येऊ देणार नाही. चक्का जाम आंदोलन करू." असा कारखाना प्रशासनाला निर्वाणीचा ईशारा देतात. रिक्त अतिरिक्त कादंबरीत ऊस वाहतूक करणाऱ्या वाहनाची हवा सोडून देतात. कारखान्याच्या कर्मचाऱ्याला मारहाण करतात.

#### समारोप

प्रस्तुत मराठीतील ग्रामीण कादंबऱ्यात महाराष्ट्रातील ऊस उत्पादक शेतकरी व सहकारी साखर कारखाने यांच्या संबंधाचा, शेतकऱ्यांना ऊस उत्पादनात येणाऱ्या अडचणी, ऊस गाळपात निर्माण होणाऱ्या समस्या यांचे वास्तवदर्शी चित्रण आले आहे.

#### निष्कर्ष

 सहकारी साखर कारखानदारी क्षेत्रात शेतकरी हा एकाच वेळी ऊस उत्पादक या नात्याने.कच्चा माल पुरवठादार व कारखान्याचा सभासद या नात्याने साखर कारखान्याचा मालक अशी दुहेरी भूमिका निभावत असतो. यासंबंधीचे चित्रण 'साखरफेरा' या कादंबरीतून आले आहे.

- 2. शेतकरी स्वत:ची आर्थिक परिस्थिती सुधारण्यासाठी तसेच आपल्या मुर्लीच्या अथवा नातीच्या विवाहासाठी ऊस लागवडीला प्राधान्य देतात.
- उस पिकावर दुष्काळ, महापूर, रोगराई, आग आदी नैसर्गिक आपतींचा परिणाम होत असतो. पाण्याच्या कमतरतेमुळे होणाऱ्या नुकसानीचे वर्णन 'पाचरूट' या कादंबरीत्न आते आहे. 'साखरफेरा' या कादंबरीत्न किशा खोताच्या उसाला लागलेली आग तसेच लोकरी मावा पडल्यामुळे झालेल्या नुकसानीची दाहकता समजते.
- 4. काहीवेळा पाऊसपाणी भरपूर झाल्याने उसाची अतिरिक्त लागवड होते. परिणामी, साखर कारखाने सर्व ऊस गाळपास नेऊ शकत नाहीत. यातून ऊसतोडीचे प्रश्न निर्माण होतात. यासंबंधीचे चित्रण 'पाचरुट' व 'रिक्त-अतिरिक्त' या कादंबरीत आलेले आहे.
- 5. सहकारी साखर कारखान्यात शेतकऱ्यांची उसाच्या वजनकाट्यातून लूटही केली जाते. कारखान्यावर इलेक्ट्रॉनिक तसेच कॉम्प्युटराईज्ड वजनकाटे बसविले असले तरी सॉफ्टवेअरमध्ये फेरफार करून वा सेटींग करून शेतकऱ्यांची लूट केली जात असल्याचे चित्रण 'साखरफेरा' या कादंबरीतून येते.
- 6. शेतकऱ्यांचे उस लागवडीपासून ते गाळपापर्यंत अनेक ठिकाणी शोषण होते. उसतोड कामगार, उस वाहतूकदार तसेच साखर कारखान्यातील शिपायापासून ते अधिकाऱ्यांपर्यंत अशा अनेक घटकांकडून शोषण होत असल्याचे चित्रण 'रिक्त-अतिरिक्त' या कादंबरीमध्ये आलेले आहे.

#### संदर्भ

- जुगळे वसंतराव, 'महाराष्ट्रातील साखर उद्योग, विनियंत्राचे धोके', अंतर्भूत-समाजप्रबोधन पत्रिका, जुलै-सप्टेंबर 1997, पृ. क्र. 152.
- 2. पाटील मोहन, 'साखरफेरा', कॉन्टिनेन्टल पब्लिकेशन, पुणे, 2006, पृ.क्र.22.
- 3. जाखडे अरुण, 'पाचरुट', अभिनुजा प्रकाशन, पुणे, तृ.आ., 1991, पृ.क्र. 48.
- 4. बोराडे रा.रं., 'रिक्त-अतिरिक्त', साकेत प्रकाशन, औरंगाबाद, 2009, पृ.क्र. 11.
- 5. पाटील मोहन, 'साखरफेरा', कॉन्टिनेन्टल पब्लिकेशन, पुणे, 2006, पृ.क्र.22.
- 6. तत्रैव, पृष्ठ क्र.236
- 7. जाखंडे अरुण, 'पाचरुट', अभिनुजा प्रकाशन, पुणे, तृ.आ., 1991, पृ.क्र. 102.
- 8. पारेकर दशरथ, 'सहकारी साखर उद्योग : उत्कर्ष व वाताहत', तेजस पब्लिकेशन कोल्हापूर, 2015, पृ. क्र. 39.

It de frances

ISSN 2231-573X UGC Care Listed Journal 3

तिएप

वर्ष : १३ वे । अंक ३ रा ऑक्टोबर-चोव्हेंबर - डिसेंबर - २०२२

#### साहित्य, कला आणि लोकसंस्कृतीला वाहिलेले त्रैमासिक

## तिफण

वर्ष १३ वे, अंक - तिसरा; ऑक्टोबर-नोव्हेंबर-डिसेंबर २०२२

UGC Care Listed Journal ISSN 2231 - 573X

> • संपादक • डॉ. शिवाजी हुसे

पत्ता : संपादक, तिफण, 'शिवार', श्रीराम कॉलनी, हिवरखेडा रोड, कन्नड, जि. औरंगाबाद – ४३११०३, मो. ९९०४००३९९८

२५.	कोयता : ऊसतोड महिला कामगारांच्या वेदनांची कहाणी - प्रा. डॉ. रामचंद्र झाडे	१२४ - १३६
२६.	स्वातंत्र्योतर काळातील ऊसतोड महिला कामगारांच्या समस्या : एक अभ्यास - डॉ. प्रकाश बाबाराव महाजन	१२७ - १३०
२७.	<b>ऊसतोड कामगारांचे चित्रण</b> - श्रीकांत दत्तात्रय तनपुरे	१३१ - १३४
२८.	रायभान दवंगेंच्या 'तांडा' कवितासंग्रहातील ऊसतोड कामगारांच्या जीवन जाणिवा - संगीता चंद्रभान फासाटे	१३५ - १३८
२९.	मराठी कादंबरीत आलेले ऊसतोड कामगारांच्या समस्यांचे चित्रण - प्रा. पंढरीनाथ धोंडगे	१३९ - १४४
₹0.	मराठी कादंबरीतून आलेल्या सहकारी साखर कारखान्याच्या संस्थापकांचे योगदान - प्रा. विनायक जाधव	१४५ - १५०
३१.	'स्त्री' ऊसतोड कामगारांचे मराठी साहित्यातील चित्रण - प्रा. गितल भाऊसाहेब बच्छाव	१५१ - १५८
₹२.	ऊसतोड कामगार आणि सहकार चळवळीचे राजकारण - प्रा. डॉ. आर. बी. वनारसे	१५९ - १६६
33.	<b>ऊस कामगारांच्या व्यथा, वेदनांचे चित्रण करणारे</b> साहित्य - डॉ. शरद वाघोळे	१६७ - १६९
₹४.	मराठी साहित्यातील ऊस कामगारांच्या समस्या - डॉ. विवेक देशमुख	१७० - १७२
₹4.	मराठी साहित्यातून येणारे महिला ऊसतोड कामगारांचे चित्रण - डॉ. विजया जितेंद्र राऊत	१७३ - १७९
₹ξ.	महाराष्ट्रातील ऊसतोडणी कामगारांच्या मुलांकरिता चालवल्या जाणाऱ्या साखरशाळांचा चिकित्सक अभ्यास - डॉ. वर्षा माने	१८० - १८३
₹७.	ऊस उत्पादक शेतकऱ्याची व्यथा मांडणारी कादंबरी 'रिक्त अतिरिक्त ' - प्रा. डॉ. जगताप यु. एस	१८४ – १८८

#### तांडे निघती रानात

लावूनी मेळ सारा तांडे निघती रानात एक होऊनी जोमात जीव तोडती फडात ।।धृ।।

ऊस तोडता तोडता काळ लोटतो फडात धन्य माऊलीची कूस नाळ जोडतो कष्टात माता मुकदमा बोले नको सतावू मला झाला जड जीव बाळ खेळतो पोटात ।।१।।

मनोभावे रातदिन देव कोयता पूजला विळा धारदार हाती तोच आधार जिवाला मोळी फेकून पडता पाचटीच्या अंथरुणाला लाथा मारी चिमुकला ओटी भरल्या पोटात ।।२।।

भेगाळली भुई रानं गेली करपून झालं चाळणी शिवार पाणी उपसून नाही उरलं टिपूर तांडे चालती अजून जुनी उचल देऊन नव्या कामाच्या शोधात ।।३।।

- श्रावण गिरी















#### मराठी कादंबरीतून आलेल्या सहकारी साखर कारखान्याच्या संस्थापकांचे योगदान

- प्रा. विनायक जाधव के.के.एम. महाविद्यालय मानवत मो.नं.- ९९२२१९८२४९

#### प्रस्तावना :-

भारत देश आज कृषी उत्पादनात स्वयंपूर्ण बनला आहे आज साखर उत्पादनात व निर्यातीत भारताने ब्राझील सारख्या देशाला पाठी मागे टाकून जगात प्रथम क्रमांकाचे स्थान मिळविले आहे. भारतात महाराष्ट्र राज्य हे साखर उत्पादनात प्रथम क्रमांकाचे राज्य बनले आहे. याचे सर्व श्रेय महाराष्ट्रातील सहकारी साखर कारखानदारीला जाते. हे साखर कारखाने उभारण्यात कारखान्यांच्या संस्थापकांचे योगदान मोठे आहे. याची दखल मराठी कादंबरीने घेतली आहे. याचा आढावा कादंबऱ्याच्या आधारे या शोधनिबंधात घेण्यात येईल.

भ्रारताला स्वातंत्र्य मिळवून देण्यासाठी ज्या स्वातंत्र्यसैनिकांनी महत्वाची भूमिका बजावली होती. त्यातीलच काही ध्येयवादी आणि नि:स्वार्थी लोकांनी स्वातंत्र्याप्राप्तीच्या अपेक्षित यशानंतर 'सहकार चळवळ' ग्रामीण भागात रुजवण्याचे जाणीवपूर्वक प्रयत्न केले. याबाबतीत दशरथ पारेकर म्हणतात, "स्वातंत्र्य चळवळीत ज्यांनी लढाऊ भूमिका घेतली. त्यापैकी अनेक नेत्यांनी विधायक कार्याव्दारेदेश उभारणीच्या कामाला हातभार लावण्याचा निर्धार केला. या नेत्यांनी जे विविध मार्ग अवलंबले त्यापैकी

'तिफण' ऊसतोड कामगार विशेषांक / १४५

एक होता शिक्षण आणि दुसरा सहकार'. या दोन्ही क्षेत्रांत भोईटे पाटील यांनी केले आहे. संस्थात्मक उभारणीच्या प्रयत्नातूनच ग्रामीण भागात 'विविध कार्यकारी सेवा सहकारी सोसायट्या', 'सहकारी खरेदी विक्री संघ', 'जिल्हा मध्यवर्ती सहकारी बँका', 'सहकारी सूतिगरण्या', 'सहकारी दूध संस्था', 'सहकारी उपसा जलसिंचन संस्था' यासह सहकारी साखर कारखाने इत्यादी सहकारी संस्थांचे मोठे जाळे विणले. ग्रामीण भागातील लोकांना मोठ्या प्रमाणावर सहकारामध्ये सहभागी करून घेतले. या संस्था उभारणीस्तव त्यांना प्रचंड मेहनत घ्यावी लागली. साखर कारखान्याची मान्यता मिळविणे, जमीन मिळविणे, भाग भांडवलाची उभारणी करणे शेअर्सची विक्री करणे, इत्यादी करावी लागली. महाराष्ट्रात 'सहकारी चळवळ' हि 'लोकचळवळ' बनवून नावारूपाला आणली. यात संस्थापकांची भूमिका निश्चितच कौतुकास्पद आहे. त्योंच्या या कार्याचे चित्रण मराठी कादंबरीतून आले आहे.

'साखर-सम्राट' या कादंबरीतील काकासाहेबांनी स्वातंत्र्यचळवळीत सक्रिय सहभाग घेतला होता. ते भूमिगत असताना डोंगरदऱ्यात लपून राहत. याबाबतीत काकासाहेब सांगतात,''बेचाळीस च्या स्वातंत्र्य चळवळीत मी भाग घेतला होता... बेचाळीसच्या चळवळीपेक्षा एक नव्या उमिदीने मी ही सहकार चळवळ हाती घेतली होती" त्यांनी निरावती खोऱ्यात निरावती सहकारी साखर कारखान्याची उभारणी करून रचनात्मक कार्य केले

'चेअरमन' या कादंबरीत भाऊसाहेब पाटील म्हणतात, ''माझ्या काकांनी अतिशय प्रतिकूल परिस्थितीत सहकारी साखर कारखाना उभा केला होता. काकांनी साखर कारखान्याच्या कामात स्वतःला झोकूनच दिले होते. काका स्वातंत्र्यसंग्रामातून आल्यामुळे त्यांच्यात एक त्वप्रकारची महान तत्वनिष्ठा होती." आपण समाजाचे काहीतरी देणे लागतो ही स्वातंत्र्यसैनिकाच्या ठिकाणी असलेली भावनाच मुळी त्यांना स्वस्थ बसू देत नव्हती. असेच कार्य 'सहकार सम्राट' मधील तात्यासाहेब,'ताम्रपट' मधील दादासाहेब

स्वातंञ्य सैनिकांना ग्रामीण भागाचा विकास करण्यासाठी 'सहकार चळवळ' हा जवळचा मार्ग वाटू लागला. सहकारी संस्थेच्या या संस्थापकांनी 'सहकार' ग्रामीण भागातील अज्ञानी लोकांपर्यंत पोहोचविण्यासाठी अपरिमित कष्ट उपसले आहेत्. 'सहकार सम्राट' या कादंबरीत सहकारी साखर कारखान्याची उभारणी करताना 'संस्थापक'तात्यासाहेब सहकार म्हणजे काय? सहकाराचा फायदा कसा आहे. हे लोकांच्या भाषेत समजावून सांगतात, "सहकारी हि गोष्ट एका माणसाची नाही. अनेक माणसे एकत्र येतात, एकजूट बांधतात आणि कार्याची मुहूर्तमेढ रोवून वाटचाल करतात, याचे नाव सहकार." म्हणजेच अनेकांनी एकत्र येऊन परस्पर सहकार्यातून समाजाचा विकास साधणे यालाच 'सहकार' म्हणतात. या सहकारी तत्वांचा प्रचार व प्रसार या लोकांनी ग्रामीण भागात केला. या तत्त्वांची प्रत्यक्ष अंमलबजावणी करण्यासाठी अनेक संस्थांची उभारणी केली. 'साखरपेरणी' या कादंबरीत आबासाहेब व आकाराम बापू हे दोघेही एकाच जिल्ह्यातील दोन सहकारी साखर कारखान्यांचे संस्थापक आहेत. या दोघांनीही इतर अनेक सहकारी संस्थांची उभारणी केली 'साखर-सम्राट', 'ताम्रपट', 'चेअरमन', 'नागकेशर' या कादंबरीतून चित्रित झालेले सहकारी साखर कारखान्यांचे संस्थापकही अनेक योजना सहकारी तत्वावत राबवितात. समाजातील शेवटच्या माणसाचा विकास या सहकाराच्या चळवळीतून होऊ शकतो, ही जाणीव या लोकांना झाली होती. ही संस्थापक' मंडळी ध्येयाने झपाटलेली होती. आपल्या परिसराचा विकास हेच त्यांचे ध्येय होते, ते ध्येय त्यांनी योग्य रित्या पूर्ण केले.

मराठी कादंबरीत सहकारी साखर कारखाने उभारणीत कारखान्यांच्या संस्थापकांनी घेतलेल्या मेहनतीचे, परिश्रमाचे चित्रण करण्यात आले आहे. 'साखर खाऽना'कादंबरीत विखे पाटलांनी कारखाना उभारणीसाठी घेतलेल्या परिश्रमाविषयी लेखक म्हणतो, "शेतकऱ्यांच्या उन्नतीचा, त्यांना कर्ज मुक्त करून

लंबी बनविण्याचा विखे पाटलांनी ध्यास घेतला... अडीअडचणींना तोंड देत, अविश्रांत श्रम घेत ते ाना उभारणीच्या कामाला लागले. प्रतिकूल थतीशी संघर्ष करीत वाटचालीलास्रवात झाली. भांडवलासाठी ते खेडोपाडी हिंडू लागले." ऱ्यांच्या घरोघरी जाऊन त्यांना शेअर्स विक्री केली. च प्रवानगरीत सहकारी साखर कारखाना उभा गा. 'सहकार-सम्राट' या कादंबरीतील 'संस्थापक' ासाहेब हे साखर कारखान्यासाठी गावोगाव हिंडून तर मेहनत घेतलीच; पण त्याचबरोबर कार्यकर्त्यांना ला लाऊन कामे करून घेतली. 'ताम्रपट' या इरी 'संस्थापक' दादासाहेब भोईटे साखर वान्याच्या उभारणीसाठी प्रयत्न करतात. 'चेअरमन' गदंबरीत 'संस्थापक' काका हे 'जयशंकर सहकारी र कारखाना' उभारणीसाठी परिश्रम घेतात. केशर' या कादंबरीत संस्थापक बापूराव डोंगरे हे रा' सहकारी साखर कारखान्याची उभारणी यासाठी शिक्षकाची नोकरी सोडतात. कारखान्याचे कामे तेच करतात. साखर कारखान्याच्या गपकांना कारखान्याची उभारणी करताना अथक ाम घ्यावे लागतात. साखर कारखान्याची उभारणी ो ही साधी सोपी बाब नक्कीच नाही, याचे प्रत्यंतर ग्रास पुरक कादंबरीतून चित्रित झालेल्या गपकांच्या योगदानातून येते.

'सहकार-सम्राट' या कादंबरीतील कारखान्याचे ग्रापक तात्यासाहेब आपल्या कारखान्याला मान्यता ग्रविण्यासाठी एक शक्कल लढिवतात. स्वतःच्या यब्धी' चा कार्यक्रम आयोजित करतात. या क्रिमाला मुख्यमंत्र्यांना बोलतात. यानिमित्ताने मोठे कप्रदर्शन घडवतात. जमलेलीगर्दी पाहून मुख्यमंत्री ावून जानात. सभेची संधी साधून तात्यासाहेब यमंत्र्यांच्या वाणीतून कारखान्याच्या मंजुरीची घोषणा न घेतात. मुख्यमंत्री आपल्या भाषणात म्हणतात, गेली चार पाच वर्षापासून तात्या एका महत्त्वाच्या गिकडे डोळे लावून बसले होते. ती बाब म्हणजे कारी साखर कारखाना! या भागातील शेतकरी,

शेतमजूर, स्शिक्षित बेकार यांना हा कारखाना म्हणजे एक वरदान ठरणार आहे. ते वरदान तात्यांच्या कर्तृत्वाने आपल्याला लाभले आहे. साखर कारखान्याचे तात्यांचे प्रपोजल मंजूर झाले आहे." अशी राज्य शासनाची परवानगी मिळविण्यात तात्यासाहेब यशस्वी होताच केंद्र शासनाची परवानगी मिळविण्यासाठी दिल्लीला केंद्रीय कृषिमंत्री सुखदेवरावाकडे जातात. त्यांना आपलेसे करतात आणि रिकाम्या हाताने आलो असलो तरी रिकाम्या हाताने जाणार नाही, असा आत्मविश्वास व्यक्त करतात. मंत्र्यांना शब्दात पकडून त्यांच्याकडून केंद्राची मान्यता मिळविण्यात यशस्वी होतात. 'साखर-सम्राट' या कादंबरीतील 'संस्थापक' काकासाहेब हे मंत्री दादासाहेब यांच्या मदतीने कारखान्याची मान्यता मिळवतात. 'ताम्रपट' या कादंबरीमध्ये शेतकरी सहकारी साखर कारखान्याला राज्य सरकारची मान्यता मिळण्यासाठी 'संस्थापक' दादासाहेब भोईटे पाटील मुंबईत यशवंतराव चव्हाण यांना भेटतात, मंजुरी मिळवतात. 'साखर खाऽना' या कादंबरीत जयकाली सहकारी साखर कारखान्याचे 'संस्थापक'जीभाऊ केंद्र सरकारची परवानगी मिळविण्यासाठी दिल्लीला अनेक वेळा जातात. सहकारी साखर कारखान्यांना केंद्र व राज्य सरकारची व इतर विभागाची मान्यता मिळविण्यासाठी संस्थापकांना खूप मेहनत करावी लागते. मुंबई, दिल्लीला अनेक वाऱ्या कराव्या लागतात. या मान्यता मिळवताना अनेक क्लुप्त्या त्यांना वापरावे लागतात.

सहकारी साखर कारखान्याला लागणाऱ्या भांडवलाची उभारणी करण्यासाठी संस्थापकांना गावोगावी फिरून 'शेअर्स' खरेदी करण्यासाठी शेतकऱ्यांना प्रवृत्त करावे लागते. संस्थापक वेगवेगळ्या क्लुप्त्या वापरून शेतकऱ्यांना 'शेअर्स' खरेदी करण्यासाठी प्रवृत्त करतात. 'साखरपेरणी' या कादंबरीत 'शेअर्स गोळा करण्यासाठी ज्या सभा होत लावेळी आकारामबापू सांगत, आपल्या तालुक्याचा हा नियोजित साखर कारखाना म्हणजे तालुक्याच्या सर्वांगीण विकासाचा केंद्रबिंदू ठरणार आहे." विकासात्मक दृष्टिकोन लोकांच्या मनावर बिंबवण्याचा प्रयत्न करतात, पत्रकारांनाही सोबत घेऊन जातात. 'शेअर्स' विक्रीच्या बातम्या वृत्तपत्रातून अधिक याव्यात, यासाठी प्रयत्न करतात. 'साखर खाडना' या कादंबरीत जयकाली सहकारी साखर कारखान्याचे संस्थापक जीभाऊ शेतकऱ्यांना रोखीने रोखीने 'शेअर्स' विकण्यात अडचणी येतात. तेव्हा ग्रामीण सोसायट्या मार्फत नऊशे रुपयांचे कर्ज देऊन उर्वरित शंभर रुपये गावातील शेठ सावकारांना देण्याचे सांगून 'शेअर्स' विकतात. 'सहकार-सम्राट' या कादंबरीत तात्यासाहेब कार्यकर्त्यांना गावोगावी फिरून जास्तीत जास्त 'शेअर्स' विक्रीकरण्याचे प्रयत्न करतात. 'नागकेशर' या कादंबरीत बापूराव डोंगरे घोड्यावर, बैलगाडीतून फिरून 'शेअर्स' विक्री करतात.

साखर कारखाना उभारणीसाठी जिमनीची मोठ्या प्रमाणात आवश्यकता असते. एवढ्या मोठ्या प्रमाणावर कारखान्याला लागणारी जमीन देण्यास शेतकरी सहजासहजी तयार होत नाहीत त्यावेळी जमीन मिळविण्यासाठी कारखान्याच्या संस्थापकांना आपली सर्व शक्ती आणि युक्ती पणाला लावावी लागते. 'सहकार-सम्राट' या कादंबरीतील संस्थापक गावच्या बाजूची साधं गवत सुद्धा न उगवणारी जमीन निवडतात. लोक त्याला 'भुताचा माळ' म्हणत असले तरी तात्यासाहेब त्यांच्यातील अंधश्रद्धा दूर करतात. लोकांच्या दृष्टीने तिला किंमत नसते. तसेच सहकाराचे फायदे पटवून दिल्याने लोक सहज जमीन कारखान्यास देण्यास तयार होतात. 'साखर-सम्राट' या कादंबरीतील कारखान्याचे संस्थापक काकासाहेब आपली स्वतःची जमीन कारखान्यासाठी 'दान' करतात. 'साखरपेरणी' कादंबरीत आकारामबापू भविष्याचा विचार करून इतर औद्योगिक कारखाने उभारणीसाठी तसेच 'शाळा', 'महाविद्यालये' उभारणीसाठी जमीन मोठ्या प्रमाणावर लागेल हे गृहीत धरून नरसिंगपूरच्या विस्तीर्ण माळरान साखर कारखान्यासाठी निवडतात.

स्वातंत्र्योत्तर काळात ग्रामीण भागात कृषी औद्योगीकरणाला चालना देण्याचे महत्त्वाचे कार्य सहकारी साखर कारखानदारीने केले आहे. या कारखान्यात 'हंगामी' कर्मचाऱ्यांना सहा-सात महिने तर

'कायमस्वरूपी' कर्मचाऱ्यांना बारा महिने 'रोजग मिळाला. ऊस उत्पादक शेतकऱ्यांनाही या निमिन वर्षभराचा 'रोजगार' उपलब्ध झाला आहे. या सर्वांच्य बरोबर ऊसतोड मजुरांनाही नगदी पैसा देणारे क मिळाले. ऊसतोड वाहतुकीसाठी लागणारे ट्रक, ट्रॅक्टर वाहनांच्या 'ड्रायव्हर', 'क्लीनर' आणि त्यांच मालकांनाही रोजगार मिळाला. या वाहनांची दुर करणारे 'गॅरेजमधील कामगार', 'ॲटोमोबाड दुकानदार', 'हॉटेल मालक', 'किराणा दुकानद 'भाजीविक्रेते' इत्यादी लाखो लोकांना रोजगार मिळ साखर कारखान्यांनी ''वीजनिर्मिती, पश्पान कुकुक्टपालन, दुग्धव्यवसाय, खरेदी-विक्री, पतपुर मद्यइतर रसायने, कागद यासारखे अनेक लहान-उद्योग वाढवून सहकारी संस्थांनी मोठ्या प्रमा रोजगार निर्मिती साध्य केली आहे." 'सहकार-सम कादंबरीत कारखाना उभारणीपूर्वी तेथील लोक रोजगारासाठी पुणे-मुंबईला जावे लागत असत. कारख उभारणी मुळे गावातच रोजगार कसा उपलब्ध हो याची माहिती संस्थापक तात्यासाहेब देतात. " मार्च हटव' ही वल्गना नसून काळाची गरज उ बेरोजगारांना काम देईल, शेतकरी कामकाऱ्यांना 🖚 देईल." ही रोजगार निर्मिती करण्यात सहकारी स कारखान्याच्या संस्थापकांचे मोठे योगदान आहे. ग्रा भागातील सहकारी साखर कारखान्यांनी खऱ्या अ परिसराचे सोनं केलं आहे. एक साखर कारख साधारणतः पाच हजार लोकांना रोजगार उपलब्ध 📨 देतो. या कारखान्यामुळे बेरोजगारीचा प्रश्न थोङ्ग प्रमाणात सुटला आहे.

सहकारी साखर कारखान्यांनी सामान्य विकासात मोलाचे कार्य केले आहे. त्यांच्या संस्थाप्य सामाजिकजाणीवेच्या भूमिकेतून परिसर्व विद्यार्थ्यांच्या शिक्षणासाठी "कारखान्यामार्फत इंग्रह मराठी माध्यमांच्या प्राथमिक व माध्यमिक शाळा. शिक्षण संस्था व महाविद्यालये चालविली जात अइतकेच नव्हे, तर काही साखर कारखान्यांनी वैद्यकी अभियांत्रिकी महाविद्यालयेही सुरू केली आहेत. त्य

हाराष्ट्राच्या शैक्षणिक विकासास फार मोठा हातभार ागला आहे."<sup>१</sup>° या शैक्षणिक संस्थांमधून शिक्षण घेऊन ामीण भागातील अनेक मुले डॉक्टर, इंजिनिअर, शासकीय अधिकारी, सामाजिक नेते, सामाजिक ार्यकर्ते बनले आहेत. तसेच ग्रामीण भागात 'आरोग्य विधा' निर्माण झाल्या. रस्ते व दळणवळणाच्या वेधेत वाढ झाली. पशुसंवर्धन सेवा उपलब्ध झाल्या. शा अनेक समाजहितकारक भौतिक सुविधा निर्माण ल्याने ग्रामीण भागाचा चेहरामोहराच बदलला आहे. खर कारखान्यांचे सामाजिक काम एवढ्यापुरतेच ांदित राहत नाही १९७२ च्या दुष्काळी परिस्थिती भितची नंदकुमार झावरे लिहितात, ''ग्रामीण भाग या भाळाने होरपळून निघालेला असल्याने शिक्षणासाठी राला असलेल्या विद्यार्थ्यांच्या डब्याचा प्रश्न निर्माण त्यावेळी जिल्ह्यातील सहकारी साखर एखान्यांच्या नेत्यांनी मदत घेऊन नगरमध्ये जवळपास वर्ष खानावळ चालवून दुष्काळी भागातील गर्थ्यांच्या जेवणाचा मोठा प्रश्न सोडवला." याच ठात चारा छावणी सह अनेक समाज उपयोगी कामे कारी साखर कारखान्यांनी केली आहेत.

'साखरपेरणी' या कादंबरीतील आबासाहेब गपक असलेल्या सहकारी साखर कारखान्यांमार्फत ात्मा फुले शिक्षण संस्था' चालविण्यात येते. खान्यामार्फत चालविल्या जाणाऱ्याया संस्थेचे उद्देश ताना आबासाहेब म्हणतात, 'गरीब शेतकरी, ाजूर यांची मुलं शिक्षणापासून वंचित होऊ नयेत, उद्देशानं ही संस्था आपण हितं सुरू केलीये... णाला असं आणखी खूप करायचं हाय. पुढं जायचं .. नुसतं साखर निर्माण करनं हे आपलं ध्येय नाय. या माध्यमातनं शिक्षणासारख्या क्षेत्रातही आपण करून दाखवला पायजे."<sup>१२</sup> ही संस्थापकांची री, कामगारांप्रती तळमळ होती. याच हेतूने ष्ट्रातील जवळपास सर्वच सहकारी साखर गन्यांच्या संस्थापकांनी त्यांच्या परिसरात कि.मान ारी शाळा, महाविद्यालये सुरू केली आहे. त्यामुळे ाज्यांच्या तुलनेत महाराष्ट्र खाजगी शिक्षण संस्थांचे

जाळे ग्रामीण भागात मोठ्या प्रमाणावर निर्माण झाले आहे. याचा उल्लेख 'साखर-सम्राट', 'साखरपेरणी', 'ताम्रपट' व 'नागकेशर' यासारख्या काही कादंबऱ्यांतून आला आहे त्यामुळे साखर कारखान्यांच्या संस्थापकांचे शैक्षणिक क्षेत्रातील योगदान समजण्यास मदत होते.

सुरुवातीच्या काळातील सहकारी साखर कारखान्यांच्या संस्थापकांनी स्वातंत्र्यलढ्यात सहभाग नोंदवला, भूमिगत राहून कार्य केले. इंग्रज सत्तेला विरोध केला. वेळप्रसंगी इंग्रज सैनिकांच्या लाठ्या खाल्ल्या. पुढे देशाला स्वातंत्र्य मिळाल्यानंतर त्यांच्यातील ध्येयवादी विचारांमुळे त्यांनी सहकारी साखर कारखान्याची उभारणी केली. आपल्या संबंधांचा वापर करुन साखर कारखान्यास परवानगी मिळवली. खेडोपाडी फिरवून कारखान्यास परवानगी मिळवली. खेडोपाडी फिरवून कारखान्यांचे 'शेअर्स' विकले, अनेक कसरती करून कारखान्यासाठी जिमनी मिळविल्या, कारखान्यांची बांधकामे केली, कारखाने उत्तमप्रकारे चालवून दाखविले. ग्रामीण भागात शैक्षणिक सामाजिक व आरोग्यविषयक समाजोपयोगी अनेक कामेही केली आहेत. याची दखल मराठी कादंबरीने घेतली आहे.

#### निष्कर्ष:

- सुरुवातीच्या काळात सहकारी साखर कारखाने उभारणारे अनेक संस्थापकांनी भारतीय स्वातंत्र्य चळवळीत सहभाग घेतलेला दिसून येतो.
- र. डॉ. धनंजय गाडगीळ, कै. वैकुंठभाई मेहता, यशवंतराव चव्हाण, पद्मश्री विञ्ठलराव विखे पाटील, वसंत दादा पाटील,शंकरराव मोहिते, राजाराम बापू पाटील,शरद पवार इत्यादींच्या नेतृत्वामुळे महाराष्ट्रातील सहकार नावारूपाला आला.
- भारतात इतर राज्यांच्या तुलनेत महाराष्ट्रात सहकारी साखर कारखाने मोठ्या प्रमाणावर निर्माण झाले.
- सुरुवातीच्या काळात सहकारी साखर कारखाने स्थापन करणारे लोक हे ध्येयवादी, नि:स्वार्थी होते.
   आपल्या परिसराचा विकास हेच त्यांचे ध्येय होते.
   साखर कारखान्यांची उभारणी करताना

संस्थापकांना शेअर्स विक्री, जमीन संपादन करणे, मान्यता मिळविणे यासाठी अथक मेहनत घ्यावी लागली.

- सहकारी साखर कारखानदारीमुळे ग्रामीण भागात मोठ्या प्रमाणावर रोजगार निर्मिती झाली.
- ७. साखर कारखान्यांच्या माध्यमातून ग्रामीण भागात अनेक प्रकारची शैक्षणिक व आरोग्यविषयक कामे झाली आहेत. यात शाळा, महाविद्यालये, हॉस्पिटल इत्यादींचा उल्लेख करता येईल.
- सहकारी साखर कारखान्यांच्या संस्थापकांची मराठी कादंबरीने पाहिजे तशी दखल घेतलेली दिसून येत नाही.

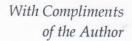
#### संदर्भ :-

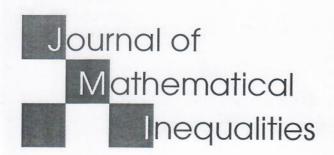
- पारेकर दशरथ, 'सहकारी साखर उद्योग: उत्कर्ष आणि वाताहत', 'तेजस पिंक्लिकेशन', कोल्हापूर, २०१५,प्र.आ.पृ.क्र.२१
- २. वरे विलास, 'साखर-सम्राट', संपूर्ण प्रकाशन, पुणे, १९८४

- प्र.आ.पृ.क्र.३१
- कुलकर्णी अशोक, चेअरमन साज प्रकाशन-पुणे २००६ प्र.आ.पू.क्र.४५५
- ४. सोनावले अरविंद, 'सहकार-सम्राट', योगेंद्र प्रकाशन- मुंबई १९८५ प्र.आ.प्.क. २२-२३
- ५. पाटील टी.एस.,'साखर खाऽना', अक्षय प्रकाशन -पुणे १९९९ प्र.आ.पृ.क्र. ३०-३१
- ६. सोनावले अरविंद, उनि,पृ.क्र. ११
- दप्तरदार खींद्र, 'साखर पेरणी', 'ग्रंथाली वाचक चळवळ' मुंबई १९८४ प्र.आ.पृ.क्र.३६
- ८. जहागिदारदि.व्य. (संपा), 'सेंटरफॉरएकॉनोमिक ॲंड सोशल स्टडीज',अमरावती २०१२ प्.क. १०५
- ९. सोनावले अरविंद,उनि,पू.क्र.१२८
- १०. जहागिरदारी दि.व्य. उनि,पृ.क्र.१०५
- ११. झावरे नंदकुमार, लेख 'विनाअनुदानित धोरण पूर्णतः रह झाले पाहिजे', दैनिक पुण्यनगरी रविवार पुरवणी दि. ०५/०४/२०१८ प्.ऋ. ४
- १२. दप्तरदार रवींद्र, उनि,पु.क्र. ४३



strate strate strate



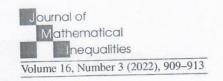


Zagreb, Croatia

Volume 16, Number 4, December 2022

Yogesh J. Bagul, Ramkrishna M. Dhaigude and Sumedh B. Thool\*

New inequalities for quotients of circular and hyperbolic functions



# ALTERNATIVE PROOFS OF SHAFER'S INEQUALITY FOR INVERSE HYPERBOLIC TANGENT

### YOGESH J. BAGUL\* AND RAMKRISHNA M. DHAIGUDE

(Communicated by L. Mihoković)

Abstract. We point out that a concise proof of Theorem 2 in the article, 'On a quadratic estimate of Shafer' by L. Zhu contains a small mistake. Correcting this mistake and giving alternative proofs of Theorem 2 is the main aim of this note.

### 1. Introduction and correction

In 2008, L. Zhu [6] published a new proof of the following theorem:

THEOREM 1. Let  $0 < x < \sqrt{15}/4$ . Then

$$\frac{\tanh^{-1} x}{x} < \frac{8}{3 + \sqrt{25 - \frac{80}{3}x^2}}.$$

The inequality (1) was originally established by R. E. Shafer [3, 4, 5] and its are native proof is given in [6] in a concise way. Though the proof of Theorem 1 is a simple way in [6], it contains a small mistake which can be explained as the small mistake which can be explained as the

While giving the proof of Theorem 1, it is shown in [6] that the function

$$H(x) = \frac{25 - \left(\frac{8x}{\tanh^{-1}x} - 3\right)^2}{x^2}$$

is decreasing on  $(0, \sqrt{15}/4)$ . This is accomplished by showing

$$I(t) = \frac{-4\sinh^2 t + 3t\sinh t \cosh t + t^2 \cosh^2 t}{t^4 \cosh^2 t} = \frac{A(t)}{B(t)}$$

to be decreasing on  $(0, \tanh^{-1} \sqrt{15}/4)$  due to the transformation H(x) = 16I(t), where  $\tanh^{-1} x = t$ . A careful observation shows that the denominator B(t) of I(t) is mistaken as  $t^4 \cosh^2 t$  instead of  $t^2 \sinh^2 t$ . Fortunately, the function I(t) remains decreasing for either expression for B(t) and the final conclusion is unaffected. For final conclusion, the following lemma is used.

Mathematics subject classification (2020): 26A09, 26D05, 26D15.

Keywords and phrases: Shafer's inequality, inverse hyperbolic tangent, increasing-decreasing func-

Corresponding author.



MDPI

Article

### **Bounds for Quotients of Inverse Trigonometric and Inverse Hyperbolic Functions**

Sumedh B. Thool 10, Yogesh J. Bagul 20, Ramkrishna M. Dhaigude 1 and Christophe Chesneau 3,\*

Department of Mathematics Government Vidarbha, Institute of Science and Humanities, Amravati 444604, India; sumedhmaths@gmail.com (S.B.T.); rmdhaigude@gmail.com (R.M.D.)

Department of Mathematics, K. K. M. College, Manwath Dist, Parbhani 431505, India; yjbagul@gmail.com

<sup>3</sup> Department of Mathematics, University of Caen-Normandie, 14032 Caen, France

Correspondence: christophe.chesneau@unicaen.fr

Abstract: We establish new simple bounds for the quotients of inverse trigonometric and inverse hyperbolic functions such as  $\frac{\sin^{-1}x}{\sinh^{-1}x}$  and  $\frac{\tanh^{-1}x}{\tan^{-1}x}$ . The main results provide polynomial bounds using even quadratic functions and exponential bounds under the form  $e^{ax^2}$ . Graph validation is also performed.

Keywords: exponential function; inverse trigonometric functions; inverse hyperbolic functions

MSC: 26D05; 26D07; 26D20; 33B10

### 1. Introduction

As discussed in [1], functions whose graphs are similar to bell-shaped curves should be studied, and one of the aspects is to investigate the bounds of such functions. For the bounds of this type of functions involving inverse trigonometric and inverse hyperbolic functions, we refer the reader to [2–20] and references therein. Chesneau and Bagul [1] investigated the sharp bounds for ratio functions  $\frac{\cos x}{\cosh x}$  and  $\frac{\sin x}{\sinh x}$ . These inequalities were carefully studied and generalized by Kostić et al. [21] to get several types of bounds using infinite products.

Recently, Bagul et al. [22] corroborated the following double inequalities involving exponential bounds.

**Proposition 1** ([22] Proposition 1). For  $x \in [0, \alpha]$ , where  $\alpha \in (0, \frac{\pi}{2})$ , the inequalities

$$e^{-a_1 x^2} \le \frac{\cos x}{\cosh x} \le e^{-a_2 x^2} \tag{1}$$

hold with the best possible constants  $a_1 = \alpha^{-2} \ln \left( \frac{\cosh \alpha}{\cos \alpha} \right)$  and  $a_2 = 1$ .

**Proposition 2** ([22] Proposition 2). For  $x \in (0, \frac{\pi}{2})$ , the inequalities

$$e^{-b_1 x^2} < \frac{\sin x}{\sinh x} < e^{-b_2 x^2} \tag{2}$$

hold with the best possible constants  $b_1=4\pi^{-2}\ln\bigl[\sinh\bigl(\frac{\pi}{2}\bigr)\bigr]\approx 0.337794$  and  $b_2=\frac{1}{3}$ .

**Proposition 3** ([22] Proposition 4). For  $x \in (0, \alpha]$ , where  $\alpha \in (0, \frac{\pi}{2})$ , the inequalities

$$e^{-c_1 x^2} < \frac{\tanh x}{\tan x} < e^{-c_2 x^2}$$
 (3)

hold with the best possible constants  $c_1=\alpha^{-2}\ln(\frac{\tan\alpha}{\tanh\alpha})$  and  $c_2=\frac{2}{3}$ .



Citation: Thool, S.B.; Bagul, Y.J.; Dhaigude, R.M.; Chesneau, C. Bounds for Quotients of Inverse Trigonometric and Inverse Hyperbolic Functions. *Axioms* 2022, 11, 262. https://doi.org/10.3390/ axioms11060262

Academic Editor: Sidney A. Morris

Accepted: 29 May 2022 Accepted: 29 May 2022 Published: 30 May 2022

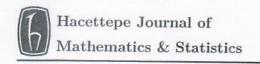
blisher's Note: MDPI stays neutral th regard to jurisdictional claims in blished maps and institutional affil-



pyright: © 2022 by the authors.

The MDPI, Basel, Switzerland.

Article is an open access article in the street of the commons of the Creative Creative Commons of the Creative C



Hacet. J. Math. Stat. Volume 52 (3) (2023), 560-571 DOI: 10.15672/hujms.1096357

RESEARCH ARTICLE

# Convexity and double-sided Taylor's approximations

Y. J. Bagul<sup>1</sup>, C. Chesneau<sup>2</sup>, M. Kostić<sup>3</sup>, T. Lutovac<sup>4</sup>, B. Malešević<sup>4</sup>, M. Rašajski<sup>4</sup>

<sup>1</sup>Department of Mathematics, K.K.M. College Manwath, Dist: Parbhani(M.S.)-43150 India <sup>2</sup>LMNO, University of Caen-Normandie, Caen, France <sup>3</sup>Faculty of Technical Scences, University of Novi Sad, Serbia <sup>4</sup>School of Electrical Engineering, University of Belgrade, Serbia

#### Abstract

Using convexity and double-sided Taylor's approximations of functions, we establish new general results in this field which can be used to refine and/or sharp some analytic inequalities in the existing literature.

Mathematics Subject Classification (2020). 33B10, 26D05, 26D07

**Keywords.** Convexity, double-sided Taylor's approximation, Kober's inequality, Janous inequality

#### 1. Introduction

The inequality

$$1 - \frac{2x}{\pi} \le \cos x \le 1 - \frac{x^2}{\pi}; \ x \in \left[0, \frac{\pi}{2}\right]$$
 (1.1)

was first established by H. Kober [3, p. 22] in 1944, and the inequality

$$\sin x \ge \frac{2}{\pi}x; \ x \in \left[0, \frac{\pi}{2}\right]$$

was first established by C. Jordan in 1869 [2]. Another inequality of interest is the Janous inequality

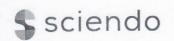
$$\frac{\sin x}{x} \ge \frac{2}{\pi} \left( 1 + \frac{\pi^2}{24} \right) - \frac{x^2}{3\pi}; \ x \in \left( 0, \frac{\pi}{2} \right]. \tag{1.2}$$

The functions  $\sin x/x$  and  $\cos x$  have been considered many times by researchers, and obtaining sharp boundaries of them has always piqued interest. Concerning the already established results about the polynomial, rational and irrational bounds of functions  $\sin x/x$  and  $\cos x$ , we would like to recommend reading the survey article [10] by F. Qi, D.-W. Niu

Received: 31.03.2022; Accepted: 28.09.2022

<sup>\*</sup>Corresponding Author.

<sup>\*</sup> Email addresses: yjbagul@gmail.com (Y. J. Bagul), christophe.chesneau@unicaen.fr (C. Chesneau), marco.s@verat.net (M. Kostić), tatjana.lutovac@etf.bg.ac.rs (T. Lutovac), branko.malesevic@etf.bg.ac.rs (B. Malešević), marija.rasajski@etf.bg.ac.rs (marija.rasajski@etf.bg.ac.rs)



Annales Mathematicae Silesianae **37** (2023), no. 1, 1–15 DOI: 10.2478/amsil-2022-0019

## REFINEMENTS OF SOME CLASSICAL INEQUALITIES INVOLVING SINC AND HYPERBOLIC SINC FUNCTIONS

YOGESH J. BAGUL, SUMEDH B. THOOL, CHRISTOPHE CHESNEAU, RAMKRISHNA M. DHAIGUDE

Abstract. Several bounds of trigonometric-exponential and hyperbolic-exponential type for sinc and hyperbolic sinc functions are presented. In an attempt to generalize the results, some known inequalities are sharpened and extended. Hyperbolic versions are also established, along with extensions.

### 1. Introduction

Consider the sinc function defined by  $\operatorname{sinc} x = (\sin x)/x$ , for  $x \neq 0$  and  $\operatorname{sinc} x = 1$ , for x = 0. A hyperbolic sinc function is defined similarly. Let us now cite some inequalities for sinc and hyperbolic sinc functions pertaining to the main results of this paper. First, the classical inequalities

$$(1.1) \qquad \cos\left(\frac{x}{\sqrt{3}}\right) < \frac{\sin x}{x} < \cos\left(\frac{2}{\pi}\arccos\left(\frac{2}{\pi}\right) \cdot x\right), \quad 0 < x < \frac{\pi}{2},$$

were established by K.S.K. Iyengar, B.S. Madhava Rao and T.S. Nanjundiah in a little-known paper [9]. See also [14]. Recently, J. Sándor ([18]) offered

Received: 25.03.2022. Accepted: 02.11.2022. Published online: 23.11.2022.

(2020) Mathematics Subject Classification: 26D05, 26D07, 33B10.

Key words and phrases: trigonometric-exponential, hyperbolic-exponential, Mitrinović-Adamović inequality, Lazarević inequality, Iyengar-Madhava Rao-Nanjudiah inequality.

©2022 The Author(s). This is an Open Access article distributed under the terms of the Creative Commons Attribution License CC BY (http://creativecommons.org/licenses/by/4.0/).

### ORIGINAL RESEARCH PAPER



# A new bounding technique based on infinite product decomposition

Christophe Chesneau<sup>1</sup> · Yogesh J. Bagul<sup>2</sup> (5)

Received: 3 April 2021 / Accepted: 24 March 2022 © The Author(s), under exclusive licence to The Forum D'Analystes 2022

### **Abstract**

In this note, a new strategy is proposed to obtain bounds for functions having product decompositions. Applications are given for trigonometric and hyperbolic functions, thus improving some existing inequalities in the literature. Some graphics illustrate the findings.

Keywords Infinite product  $\cdot$  Trigonometric and hyperbolic functions  $\cdot$  Exponential bounds.

Mathematics Subject Classification 26A09 · 26D07 · 33B10

#### 1 Introduction

Analytical inequalities have been an interesting topic among researchers in mathematics. Although l'Hôpital's rule of monotonicity is widely used, there are various other tools and techniques to obtain inequalities. We refer readers to [2–9, 11–18] and references therein for different methods of establishing analytical inequalities: As stated in [9], infinite products are rarely used to establish analytical inequalities. The main aim of this note is to propose a new technique for obtaining bounds of some functions by the excellent use of their infinite product representations.

Communicated by Samy Ponnusamy.

Published online: 10 April 2022

Department of Mathematics, K. K. M. College, Manwath, Dist: Parbhani(M.S.) 431505, India



<sup>.</sup>Christophe Chesneau christophe.chesneau@unicaen.fr

<sup>&</sup>lt;sup>1</sup> LMNO University of Caen-Normandie, Caen, France

### TIGHT EXPONENTIAL BOUNDS FOR HYPERBOLIC TANGENT

YOGESH J. BAGUL $^{(1)}$ , RAMKRISHNA M. DHAIGUDE $^{(2)}$ , CHRISTOPHE CHESNEAU\* $^{(3)}$  AND MARKO KOSTIĆ $^{(4)}$ 

ABSTRACT. In this article, we aim to obtain very tight exponential bounds for the hyperbolic tangent function. Our inequalities refine a double inequality recently proved by Zhang and Chen. In addition, graphical and numerical analysis are carried out, and a number of auxiliary lemmas may be of use on their own.

### 1. Introduction

The hyperbolic tangent function is the function  $\tanh : \mathbb{R} \to (-1,1)$  defined by  $\tanh x = (e^x - e^{-x})/(e^x + e^{-x})$ . Clearly, it is a continuous, differentiable, and bounded function that can produce negative, positive, and zero outputs. It occurs in many branches of pure and applied mathematics. In particular, in differential equations, it is at the heart of the so-called "tanh method" (see [10] and [11]), and in statistics, it is known to be one of the most important zero-centered activation function (see [9], and the references therein). The tight and tractable bounds of tanh can therefore be useful in the fields of concern, mainly to evaluate mathematical quantities involving it. Even so, very little can be found related to the bounds of this function in the literature. For instance, L. Zhu in [13] proved the following inequalities:

(1.1) 
$$\left(\frac{r^2 - x^2}{r^2 + x^2}\right)^{\beta} \le \frac{\tanh x}{x} \le \left(\frac{r^2 - x^2}{r^2 + x^2}\right)^{\alpha}, \ x \in (0, r),$$

<sup>2010</sup> Mathematics Subject Classification. 26A09, 26D07, 33B10.

Key words and phrases. Hyperbolic tangent, sigmoidal function, hyperbolic cosine, exponential

Copyright © Deanship of Research and Graduate Studies, Yarmouk University, Irbid, Jordan.

Mathematical Analysis and its Contemporary Applications Volume 5, Issue 1, 2023, 85–93 doi: 10.30495/maca.2023.1987625.1068 ISSN 2716-9898

# On algebraic bounds for exponential function with applications

Yogesh J. Bagul\*, Christophe Chesneau, and Ramkrishna M. Dhaigude

ABSTRACT. In this paper, we establish algebraic bounds of the ratio-type in nature for the natural exponential function  $e^x$  involving two parameters, a and n, which become optimal as  $a \to 0$  or  $n \to \infty$ . The proof is mainly based on Chebyshev's integral inequality and properties of the incomplete gamma function. Subsequently, we focus on the simple case obtained with n=1, with comparisons to existing literature results. For the applications, we provide alternative proofs of inequalities involving ratio functions of trigonometric and hyperbolic functions. Graphics are given to illustrate the theory.

#### 1. Introduction

The exponential function is "the most significant function in mathematics", according to the prestigious mathematician Walter Rudin, due to its frequent occurrence in both pure and practical mathematics (see [11]). It can be found in a wide range of applications in the fields of physics, chemistry, computer science, engineering, biology, medicine, finance, and economics. From a mathematical viewpoint, when taken as such, it is a simple function. However, when it appears in a sophisticated mathematical expression (integral, series, partial derivative equations, etc.), it can be particularly hard to manage. For this reason, numerous efforts have been made to find sharp bounds of different natures. The topic is vast; numerous bounds for the exponential function have already been established. See, e.g.,

<sup>\*</sup>Corresponding author



This work is licensed under the Creative Commons Attribution 4.0 International License. To view a copy of this license, visit http://creativecommons.org/licenses/by/4.0/.

<sup>2020</sup> Mathematics Subject Classification. Primary: 33B10; Secondary: 11A99, 26D05, 26D07. Key words and phrases. Algebraic bounds, optimal bounds, exponential function, ratio functions.

act Factor-8.632 (SJIF)

ISSN-2278-9308

# B. Audhar

Single Blind Peer-Reviewed & Refereed Indexed

Multidisciplinary International Research Journal

March-23

(CCCXCVIIII) 399 (B)

स्वाधीनता आंदोलन और हिंदी साहित्य





### **Chief Editor**

Prof. Virag S. Gawande

### Director

Aadhar Social Research & Development Training Institute Amravati

### **Executive Editor**

Dr. Shaikh Md. Babar

### Principal

Dnyanopasak Shikshan Mandal's College of Arts, Commerce and Science Parbhani, Dist.- Parbhani,

#### Editor

Dr. Sujitsingh Parihar

### Dept. of Hindi,

Dnyanopasak Shikshan Mandal's College of Arts, Commerce and Science Parbhani, Dist.- Parbhani,



- This Journal is indexed in :
- Scientific Journal Impact Factor (SJIF)
- Cosmos Impact Factor (CIF)
- International Impact Factor Services (IIFS)

For Details Visit To: www.aadharsocial.com

Aadhar Publications

# B.Aadhar' International Peer-Reviewed Indexed Research Journal



Impact Factor -(SJIF) -8.632, , Issue NO, (CCCXCVIIII) 399-B

ISSN: 2278-93( March, 2023

### **INDEX-B**

No.	Title of the Paper Authors' Name	Page No.
1	राष्ट्रप्रेम एवं राष्ट्रीय चेतना का चिट्ठा: स्वाधीनता आंदोलन की हिंदी कविताएं प्रो.महेबूब मंगरूले	1
2	हिन्दी कविता में स्वाधीनता आन्दोलन का चित्रण प्रा. संजू मधुकरराव सूर्यवंशी देशमुख	6
3	स्वाधीनता आंदोलन और हिंदी साहित्य प्रा.श्रीकांत विलासगिर गोस्वामी	9
4	स्वा धीनता-आंदोलन और आदिवासी सेनानी: बिरसा मुंडा प्रो.डॉ.प्रतिभा जी.येरेकार	-
5	माखनलाल चतुर्वेदी के काव्य में राष्ट्रीयता' प्राचार्य डॉ.शेखर पांडूरंग घुंगरवार	11
6	रामधारी सिंह 'दिनकर' के काव्य में राष्ट्रभक्ती प्रा. डॉ. बालाजी विलासराव महाळंकर	14
7	स्वाधीनता आंदोलन और हिन्दी कविता डॉ. अश्विनीकुमार नामदेवराव चिंचोलीकर	17
8	स्वाधीनता संग्राम में हिन्दी का योगदान डॉ. शिवाजी नागोबा भदरगे	21
9	स्वाधीनता आंदोलन में हिंदी कवियों की राष्ट्रीय चेतना प्रो.डॉ.वंदन जाधव	23
10	स्वाधीनता आंदोलन और हिंदी काव्य	
11	भारताय स्वतंत्रता आन्दोलन के परिप्रेक्ष्य में हिंदी साहित्य का अनुषीलन	30
12	प्रो. डॉ.बबन रंभाजीराव बोडके स्वाधीनता संग्राम में क्रांतिकारी आंदोलन का योगदान प्रा. डॉ. संतोष सुभाषराव कुलकर्णी	33
13	स्वाधीनमा मंघर्ष में भिर्म ६३	36
14	भारतीय स्वतंत्रता संगाम में कि क	39
15	11 111 1919 18	43
16	राष्ट्रकवि सोहनलाल द्विवेदी का परिचयात्म अध्ययन प्रा.संतोष शिवराज पवार	47
-	जंगल जंगल जलियांवाला' अंग्रेजी और देसी सत्ता के विरुद्ध प्रतिरोध <b>डॉ. रमेश संभाजी कुरे</b>	51
	स्वाधीनता आंदोलन और हिंदी काव्य प्रो. डॉ. अरुणा राजेंद्र शुक्ल	55
18	जीवनी विधा में व्यक्त स्वाधीनता आंदोलन (विशेष संदर्भ : वीरांगना कनकलता बरूआ- नेशा नंदिनी)  डॉ. अशोक तुकाराम जाधव	58
19	दराबाद स्वाधीनता संग्राम में हिंदी पत्रकारिता का योगदान डॉ. अनिता कृष्णा भंडारे	61
20 3	ाधुनिक हिंदी काव्य में 'राष्ट्रीय चेतना' प्रा.डॉ. साळुंके शिवहार भुजंगराव	61
	वाधीनता अंदोलन और विकास के	63
	आधीनता आन्दोलन में हिंदी फिल्मों की मनोवैज्ञानिक उपादेयता <b>डॉ. राजे</b> श	67

ISSN: 2278-9308 March, 2023

### हिन्दी किविता में स्वाधीनता आन्दोलन का चित्रण प्रा. संजू मधुकरराव सूर्यवंशी देशमुख

सहयोगी प्राध्यापक, हिन्दी विभाग के. के.एम. महाविद्यालय, मानवत जि. परभणी भ्रमणध्वनि क्रमांक — ७७०९१५६२५३

साहित्य को समाज का दर्पण माना जाता है।समाज में घटित होनेवाली हर अच्छी बुरी घटनाओं का प्रतिबिंब साहित्य में मुखर होता है । साहित्यकार अपने इर्द गिर्द में होने वाली कीसी भी घटनाओं, परिवेष एवं युग से पृथक नहीं रह सकता ।साहित्यकार स्रश्टा एवं दृश्टा होता है । वह अपने युगीन सत्य को साहित्य के माध्यम से चित्रित करता है । उसका यह चित्रण युग सापेक्ष होता है। स्वाधीनता आन्दोलन के दीर्घ काल का प्रभाव हिन्दी के साहित्यकारों पर पडना

भारत पर लंबे समय से अंग्रेजों का षासन था। अंग्रेजों ने भारतीया का चतुर्दिक षोशण किया था । निसाहाय भारतीय जनता पर अनगिनत अत्याचार किए थे । साधारण अपराध के लिए वे कडी से कडी सजा देते थे । साहित्यकार प्रबुद्धचेता होता है । वह स्वयं जागता है और दूसरों को जगाता है ऐसी स्थिती में भरतीयों ने अंग्रेजी षिक्षा के सम्बल से अंग्रेज सरकार के षेशण की नीति के खिलाफ जागरण किया । प्रारंभ में भारतीयों ने सर ए.हयुम के नेतृत्व में सन १८८५ इंडियन नॅषनल काँग्रेस की अंग्रेजों को सहयोग देने तथा कुछ माँगे सविनय प्राप्त करने के लिए प्रतिश्ठा की थी । लेकिन कुछ ही सालों में यह स्वाधीनता संस्था में तब्दील हो गयी । तब भारतीयों ने अंग्रेजों को भारत देष छोडने और अजादी देने की बात की।

भारतेंदु युग को आधुनिक हिंदी साहित्य का प्रवेषद्वार माना जाता है। इस काल में पुर्वकालीन परम्परा की तथा आधुनिक राश्ट्रीय भावबोध की कविता लिखी गयी । कविता चाहे किसी भी काल की ही क्यों न हो उसमें राश्ट्रीयता के भावों की अभिव्यक्ति हुई है। भारतेंदु हरिष्चंद्र , भारतेंदु युग के बहुमुखी प्रतिभा संपन्न साहित्यकार थे छन्होंने अपने युग का नेतृत्व किया था । भारतेंदु सचमुच भारत के चंद्रमा ही थे । उन्होंने हिंदी साहित्यकाष को अपनी रचनाओं से आलोकित किया था भारतेंदु की कविता का महत्वपूर्ण उद्देष्य देषप्रेम रहा है क्योंकि भारत माता विदेषी सत्ता की गुलामी की बेडियों में ज़कडी हुई थी। भारत माता की गुलामी की श्रृंखलाओं को तोडना जरूरी था । भारतेंदु ने अपने युगीन समाज को देखा था छन्होंने तत्कालीन समाज की दीन हीन दषा, अर्थिक दुरावस्था, राजनीतिक दासता का विरोध किया था । उन्होंने इन सबके लिए जिम्मेदार विदेषी षासकों को के घृणित शडयंत्रों का खुलकर विरोध अपनी कविताओं के माध्यम से किया था । भारतेंदु ने एक ओर अपने देखवासियों को जागृत किया तो दूसरी ओर अंग्रेजों की कुटिल नीति की कड़ी नींदा की । उनकी कुछ पंक्तियाँ दृश्टव्य है —

''गयो राज धन तेज रोश बल ज्ञान नासाई । बुद्धि वीरता उछाह सूरता बिलाई

आलस कायरपनों निरूद्यता अब छाई। रही मूढता

वैर परस्पर कलह लराई।

सब विधी निस भारत प्रजाा कहउँ न रह अवलंब ।

अब जागो ,जागो अब करूणायतन।फेर जागी है नाथ कब।''

नये जमाने की मुकरी में भारतेंदु ने व्यंग्य के माध्यम से अंग्रेज सरकार की षोशण नीतियों का विरोध किया है उन्होंने कहा है -

''भीतर भीतर सब रस चूसे, हँसि हँसि कै तन मन धन मुसै।

जाहिर बातन में अति तेज,क्यों सखी साजन नहिं अंग्रेज ।

भारतेंदु ने विभिन्न पत्रकारिता के माध्यम से अपने युगीन रचनाकारों को राष्ट्रीय भावनाओं की अभिव्यक्ति के प्रेरित किया इस काल के रचनाकारों ने राश्ट्रीयता की अभिव्यक्ति के लिए क्षत्रियों के परम्परागत षौर्य, भारत की प्राचीन संस्कृति आदि चित्रण कर वीर भावनाओं का अवाहन

कया है । तो दूसरी ओर विदेषी सत्ता से षोशित, प्रताडित भारतीय समाज , संस्कृति का करूण चित्रण किया है । अतित के प्रेरणादायी प्रसंगों को, करूण दषाओं का अंकन व्यंग्योक्ति के माध्यम से करके उन्होंने देषवासियों को जागरण का मंत्र दिया है । पराधिन भारत की दुर्दषा को अभिव्यक्त करते हुए भारतेंदु लिखते है -

रोवहु सब मिलि कै आवहुभरत भाई। हा हाँ भरत दुर्दषा न देखी जाई।

आचार्य महावीर प्रसाद द्विवेदी जी ने सरस्वती इस साहित्यिक पत्रिका के माध्यम से साहित्यिक आन्दोलन चलाया और अपने युग का नेतृत्व किया । मैथिलीषरण गुप्त द्विवेदी युग के प्रमुख किव थे । उनकी रंग में भंग इस प्रारंभिक रचना में राष्ट्रीय चेतना की स्परट झलक मिलती है । भारत भारती गुप्त जी की कीर्ती का स्थायी अधारस्तंभ है । जयषंकर प्रसाद छायावादी काव्यधारा के प्रमुख रचनाकार थे । जयषंकर प्रसाद जी ने अपनी रचना के माध्यम से स्वतंत्रता आन्दोलन का चित्रण किया है । उनकी 'हिमाद्रि तुग श्रृंग से 'तथा 'अरूण मधुमय देष हमारा' इन कविता के माध्यम से भारत के अतित के वैभव का चित्रण करके देषवासियों को , सैनिकों अपनी मातृभूमि की मुक्ति के लिए बलिदान देने के लिए तत्पर रहने का अवाहन किया है ।

निराला की अनेक कविता में मातृभूमि के प्रति आस्था , स्वदेष प्रेम स्वराज्य कल्पना भारतीय संस्कृति के मूल्य एवं अतित के स्वर्णिम इतिहास के चित्र उभरकर सामने आते है । निराला राश्ट्रीय चेतना के साथ साथ मातृभूमि के प्रति अपना भावबोध व्यक्त करते है परतंत्रता की

श्रृंखलाओं से आबद्ध मातृभूमि को स्वतंत्र कराने के लिए दृढ प्रतिज्ञाबद्ध है।

आयेगी भालपर भारत की नई ज्योति,

हिन्दुस्थान मुक्त होगा घोर अपमान से, दासता के पाष कट जायेंगे

निराला अपने युग के प्रति अत्यंत सजग रचनाकार है ,उनका युग दासता का युग था। देष की सभी जनता का एक ही लक्ष्य था , भारत मता की विदेषी सत्ता से मुक्ति । इस राष्ट्रीय आंदोलन में साहित्यकार कैसे दूर रह सकता है। इस दृश्टि निराला की जागो फिर एक बार कविता में देववासियों को अंग्रेजी सरकार के खिलाफ जागृत होने का संदेव दिया है।

छायावादी काव्यधारा के समकक्ष चलने वाली राश्ट्रीय सांस्कृतिक काव्यधारा में स्वाधीनता आन्दोलनों का बड़े पैमाने पर चित्रण हुआ है । इनमें माखनलाल चतुर्वेदी ,बालकृश्ण वर्मा नवीन ,सुभद्राकुमारी चौहान ,रामधारी सिंह दिनकर उल्लेखनीय है ।

सुभद्राकुमारी चौहान की राष्ट्रीय कविताओं में असहयोग ,सेनानी का स्वागत ,बिदा,जालियनवाला बाग ,वीरों का कैसा हो वसंत,झाँसी की रानी मातृमंदिर स्वदेष आदि कविता में भारत की संस्कृति और तत्कालीन राजनीतिक स्थिति को स्पश्ट किया है। इनकी कविताओं में देषप्रेम की भावनाओं को उद्यप्त करने की अद्भुत क्षमता थी । इनकी झाँसी की रानी किवता अत्यंत लोकप्रिय बनी है । उस युग में अबालवृद्ध सभी इस कविता को पूर्ण रूप से कंठस्थ करने के लिए अतुर रहते थे । ''बुंदेलों हरबोलों के मुँह हमने सुनी कहानी थी; खूब लडी मर्दानी, वह तो झाँसी वाली रानी थी।''

माखनलाल चतुर्वेदी हिन्दी साहित्य में एक भारतीय आत्मा के रुप में जाने जाते है। वे भारत के ऐसे महान स्वतंत्रता सेनानी है जो दोहरे मोर्चेपर लड रहे है । वे सत्याग्रह करके जेल गये थे । बाहर आते ही राष्ट्रीय चेतना की काव्याभिव्यक्ति करने के लिए कलम सँभालते थे । चतुर्वेदी भारतीय स्वतत्रता आन्दोलन के सिक्रिय योद्धा थे और संवेदना संपन्न किव थे। वे प्रारंभ में क्रान्ति दर्षन से प्रभावित थे ,लेकिन बाद में गांधीजी के सिद्धान्तों ,विचारों तथा व्यक्तित्व से प्रभावित थें । उनकी कविता में देषप्रेम के प्रति गंभीर प्रेमभाव और अत्मसर्ग का भाव प्रकट हुआ है । इनकी कैदी और कोकिल कविता स्वतंत्रता सेनानियों में अधिक प्रिय रही है । चतुर्वेदी की 'पुश्प की अभिलाशा' यह अत्यंत लोकप्रिय कविता है। यह कविता तो मानो राश्ट्रीय मंत्र बन गयी थी । कवि ने अपना सारा जीवन देषभिक्त में ही बिताया । वे भारत के हर एक आदमी के साथ अपने आपको एकाकार मानते थे । पुश्प की अभिलाशा कविता की कुछ पंक्तियाँ इस प्रकारहै -

### **B.Aadhar'** International Peer-Reviewed Indexed Research Journal



### Impact Factor -(SJIF) -8.632, , Issue NO, (CCCXCVIIII) 399-B

ISSN: 2278-9308 March, 2023

''चाह नहीं,में सूरबाला के के गहनों में गुँथा जाऊँ , चाह नहीं प्रेमी माला में बिंध प्यारी को ललचाऊँ, चाह नहीं सम्राटों के षवपर हे हेरि डाला जाऊँ,

चाह नहीं देवों के सिर पर चढूँ, भाग्य पर इठलाऊँ,

मुझे तोड लेना वनमाली ! उस पथ पर देना तुम मात्भूमि पर षीष चढाने ,जिस पथ पर

फेक,

जावै वीर अनेक । "

यहाँ फूल एक भारतीय देषभक्त का प्रतीक बन कर आया है । फूल के माध्यम से हर भारतीय की यही मंगल कामना है कि उसका जीवन अपने देष के काम आये । वनमाली यह काल का प्रतीक है । एक आम भारतीय की यही अभिलाशा है कि उसे मृत्यु जब भी आए तो मातृभूमि की सेवा करते करते आये । जीवन में और कोई अकांक्षा नहीं है,बड़े से बड़े आकर्शण और प्रलोभन त्याग केवल मातृभूमि के वीर सिपाही के चरणस्पर्ष की अभिलाशा है ।

स्वाधीनता अन्दोलन के साथ साथ समाजसुधार और राजनीतिक आन्दोलन भी साथ साथ चलते थे माखनलाल चतुर्वेदी की राष्ट्रीय झंडे की भेट कविता अत्यंत मार्मिक बन पडी है —

माँ रोवे मत षीघ्र लौट घर आऊँगा,

प्रस्थान करूँ, बाबा दो आषिस,

पताका पर सब कुछ कुरबान करूँ।

बालकृश्ण षर्मा नवीनहन्दि। में राश्ट्रीय आन्दोलन के साथ जुड़े हुए रचनाकार है इन पर गांधीवाद, प्रगतिवाद का प्रभाव स्पश्ट दिखाई देता है षोशितों की करूण स्थिति देखकर वे द्रवित होते है ,वे षोशितों को कांति करने का संदेष देत है ।

किव कुछ ऐसी तान सुनाओ, जिससे उथल पुथल मच जाए, नियम और उपनियमों के ये.

बन्धन टूट छिन्न भिन्न हो जाए ।

नवीन जी भारतीय स्वतंत्रता संग्राम के सैनिकों को चेतावनी देते है कि विजय सदा से ही त्याग और बलीदान माँगती है। जो जीवन की संपूर्ण जीवन की आषाएँ और अकांक्षाएँ है।यहाँ तक कि यौवन भी समर्पित करना पडता है।

संदर्भ - ग्रंथ

१ हिंदी साहित्य : युग और प्रवृत्तियाँ

डॉ. षिवकुमार षर्मा

२ हिंदी साहित्य का इतिहास

डॉ. नगेंद्र

३ बालकृश्ण षर्मा नवीन

डॉ. प्रभाकर माचवे

४ हिंदी साहित्य का बृहद् इतिहास

भाग नवम्(नागरी प्रचारिणी सभा काषी)