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# Majuli College

(Affiliated to Dibrugarh University)

Kamalabari, Majuli, Assam

PIN: 785106

Key Indicator 3 3

## Supporting Documents for NAAC Self Study Report (SSR)

(3<sup>rd</sup> Cycle)

Period: 2017-2022

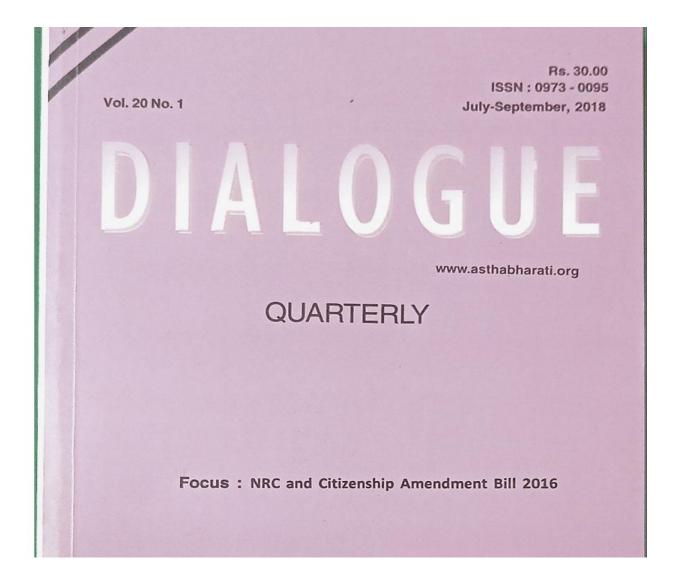
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Prepared and Submitted by

Majuli College

## **Book Chapters and Articles in Proceedings and Journals**

Dr. Rupjyoti Borah, Associate Professor, Dept. of Economics









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DIALOGUE, Volume-20 No. 1





# Employment in Urban Informal Non-Farm Enterprises in Assam

Dilip Saikia\*, Dr. Debajit Saikia\*\* & Dr. Rupjyoti Borah\*\*\*

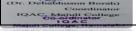
The results of the National Sample Survey (NSS) 73rd quinquennial round on unincorporated non-agricultural enterprises show that there has been significant increase in employment in the informal non-farm enterprises (INFEs) in the urban areas in Assam, while that in the rural areas witnessed sharp decline during the first half of the 2010s. Based on the NSS 67th round (NSSO, 2012) and 73rd round (NSSO, 2017) enterprise survey data, this essay presents a brief account of the various facets of employment in the urban INFEs in Assam during the period 2010-11 to 2015-16. Broadly, we analyse the size and trends of employment, employment elasticity, and growth in labour productivity in the urban INFEs across various sectors in Assam.

The informal enterprises, also known as unorganised enterprises, comprise small, private proprietary or partnership enterprises that fall outside the purview of the government regulations, i.e. they need not



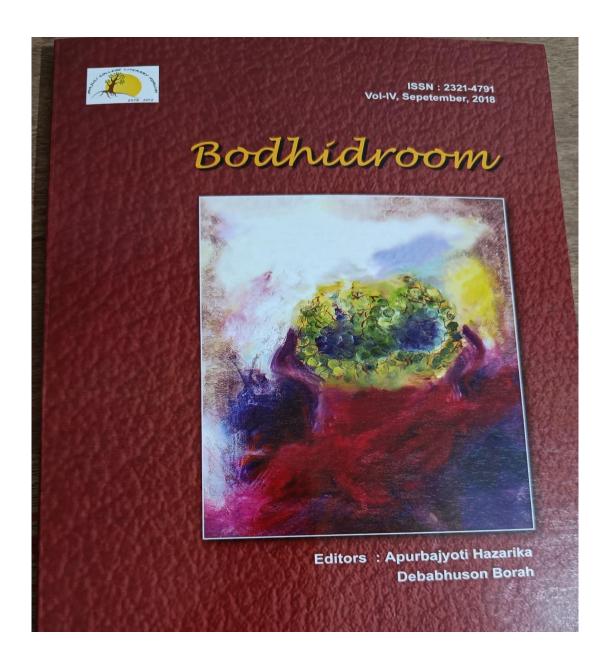


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Anamika Adhikari, Assistant Professor, Dept. of Political Science
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## Women Workers in the Tea Gardens of Assam: A Study

### Anamika Adhikari

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#### Abstract

Tea industry in India is one of the oldest industries and enjoys the status of one of the best organised industries in the country. Among the various major tea producing states, Assam is one of those states. In the tea industry where women constitute more than 50% of the total labour force are in a very pathetic condition. Despite the existence of various national as well as international documents on workers' rights, the women workers in particular are not only deprived of their rights but also are totally ignorant about such rights. In this context, this paper tries to analyse the socio, economic and political conditions of the women workers in the tea gardens of Assam.

Keywords: Tea gardens, Assam, Workers, Women, Rights

#### Introduction

In India, women are increasingly entering the labour force and plantation is such industry where employment of women is increasing steadily (Bhadra:1985, 95). The tea industry in India is the only organized industry that employs a high proportion of female labour. Tea industry is one of the oldest and largest industries in India and enjoys the status of one of the best organised industries in the country. The organised tea sector currently employs over 1.1 million workers throughout the tea growing states and Women constitute more than 50% of the total labour force (Bhadra:1985, 101). The Indian Tea plantations are mainly located in rural hills and backward areas of North Eastern and Southern states. The major tea growing areas

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## Sattras and the Marginalised Communities and Gender/s: A Study of the Changing Dynamics

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This paper is an attempt at evaluating the changing interface between sattras Abstract: of Assam, a dominant socio-cultural and religious institution, and the marginalised sections and genders. Being founded on a patriarchal set-up, the sattras, since inception, have clearly been modelled on a caste bias and the so-called marginalised sections and gender/s including women have always remained deprived of their due share of importance in their functioning mechanism. Recognised as an upholder of Sankaradeva's neo-Vaishnavite faith, which negates caste distinctions, this institution somehow could not do justice to the catholic tenets of the faith during the years of it growth and development. However, owing to the advent of modernism, a discernible change has come about in its functioning which has become far more democratic allowing greater space to the marginalised sections in the recent times.

Key words: Sattra, marginalised, patriarchal

The socio-religio-cultural institution called sattra has survived till date in Assam literally carrying forward the legacy of Neo-Vaishnavism initiated by

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## **Breaking Stereotypes: Exploring the Protesting Female Voice in** Mamoni Raisom Goswami's Short Fiction

## Apurbajyoti Hazarika

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Mamoni Raisom Goswami (1942-2011), a noted writer of Assamese fiction, Abstract : has enriched this domain with some of her bold narratives that have raised telling questions on patriarchy. While her long fiction is a glaring example of this, her shorter fiction equally resounds with such penetrative insights. In stories like Caste (Sanskar), she has delved deep into the women psyche usually starved of the freedom in a typically patriarchal social set-up to assert their mind. The central protagonist Damayanti breaks many stereotypes and emerges a non-conformist after thwarting almost male desires. Yet this protest keeps dormant within it an indirect attempt to uphold tradition, which at times perplexes readers. Moreover, many of her female characters are characterised a 'touch of narcissism' and remains open to multiple interpretations.

Key words: patriarchy, stereotypes, narcissism

Indira Goswami (1942-2011), a Jnanpith awardee, more popularly known as Mamoni Raisom Goswami in literary circles, is a powerful writer of Assamese fiction with her penetrative insight into the diverse, multi-layered Indian society and culture.

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# The Mighty River Brahmaputra in Selected Songs of Bhupen Hazarika: A Brief Reflection

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#### Abstract

Rivers are part and parcel of nature. River plays a pivotal role in the development of human civilization from time immemorial. At times the rivers become lifeline for the development of an area and sometimes it creates hazardous conditions for humans causing flood and misery across the region. The Brahmaputra River flowing through Tibet, China, Assam, Bangladesh, acts as a lifeline for the people throughout the valley. In Assam, the river Brahmaputra became a symbol of Assames social life and thus became a popular theme of cultural identity, from folk literatur to the contemporary period. A careful hearing of the songs of Dr. Bhupe Hazarika(1926-2011) reflects appraisal of the Brahmaputra river in very many time. The present paper intends to review the presence of the Brahmaputra river in som of his important songs and how the songs echo the varying nature of the river in the passage of time, viz; the changing mood of the river. It will further verify the influence of folk culture and early writings and songs in the creation of the songs and the personality of Bhupen Hazarika.

Key words: Brahmaputra, Dr. Bhupen Hazarika, the riverscape in culture.

#### Introduction:

Nature plays an active role in the development of the world civilization. T

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## অসমীয়া সাহিত্যৰ যুগ বিভাগ আৰু যুগ বিভাজনত উদ্ভৱ হোৱা সমস্যা

### দুলাল হাজৰিকা.

সহকাৰী অধ্যাপক, অসমীয়া বিভাগ भाजूनी भश्विम्गान्य, कथनावांबी e-mail: hazarika.dulal@gmail.com

অসমীয়া সাহিত্যৰ যুগ বিভাগ সম্পৰ্কে সমালোচকসকলৰ মাজত কিছু মত পাৰ্থক্য থাকিলেও প্ৰায়ভাগ সমালোচকে প্ৰধানকৈ তিনিটা যুগৰ কথা উল্লেখ কৰিছে। আদি, মধ্য আৰু আধুনিক যুগ। এই যুগকেইটা নিৰ্ণয় সমাত্ৰণত কৰুমান সমস্যাৰ উদ্ভৱ হোৱা দেখা যায়। এই সমস্যাসমূহৰ কাৰণে অসমীয়া সাহিত্যৰ যুগ বিভাগ সম্পৰ্কত কৰোঁতে কিছুমান সমস্যাৰ উদ্ভৱ হোৱা দেখা যায়। এই সমস্যাসমূহৰ কাৰণে অসমীয়া সাহিত্যৰ যুগ বিভাগ সম্পৰ্কত এটা সৰ্বসন্মত সিদ্ধান্ত গ্ৰহণ বা মত প্ৰকাশ কৰাত জটিলতাই দেখা দিয়ে। <mark>যুগসমূহৰ নামকৰণৰ সম</mark>স্যা, যুগসমূহৰ মাজত স্পষ্ট সীমাৰেখা নিৰ্ধাৰণৰ সমস্যা,পুৰণি সাহিত্যৰ উপযুক্ত সমলৰ অভাৱ,অসমীয়া সাহিত্যৰ উপযুক্ত ৰুৰঞ্জীৰ অভাৱ আদিয়ে অসমীয়া সাহিত্যৰ যুগসমূহৰ প্ৰকৃত মূল্যায়নত সমস্যাৰ সৃষ্টি কৰে। তদুপৰি সাম্প্ৰতিক কালত সাহিত্যিক ৰ সংখ্যা বৃদ্ধি পোৱাৰ লগতে বিবিধ সাহিত্যৰ ৰচনাও যথেষ্ট বাঢ়ি যোৱা দেখা গৈছে। গতিকে এই সকলোবোৰ সাহিত্যৰ মূল্যায়ন কৰি একোখন সাহিত্যৰ বুৰঞ্জী প্ৰণয়ন কৰাটো যথেষ্ট গুৰুত্বপূৰ্ণ অথচ জটিল কাম বুলি ক'ব পাৰি। আমাৰ গৱেষণা পত্ৰখনত এই দিশসমূহ আলোচনালৈ আনিবলৈ প্ৰয়াস কৰা হৈছে।

গৱেষণা পত্ৰখন প্ৰস্তুত কৰিবলৈ মূলতঃ বিশ্লেষণাত্মক পদ্ধতিৰ সহায় লোৱা হৈছে। মুখ্য উৎস অসমীয়া সাহিত্যৰ বুৰঞ্জীকেইখনৰ লগতে গৌণ উৎসৰূপে বিভিন্ন গ্ৰন্থ আলোচনী আদিৰো সহায় লোৱা হৈছে। প্ৰসংগ সূত্ৰ তথা গ্ৰন্থপঞ্জী প্ৰস্তুত কৰাৰ ক্ষেত্ৰ MLA পদ্ধতি ব্যৱহাৰ কৰা হৈছে।

অসমীয়া সাহিত্যৰ ইতিহাস যথেষ্ট পুৰণি। অসমীয়া সাহিত্যৰ ইতিহাসলৈ লক্ষ্য কৰিলে দেখা যায় যে অসমীয়া ভাষাই স্বকীয় ৰূপ লাভ কৰাৰ পাছত অসমীয়া সাহিত্যৰ সৃষ্টি হয় মৌখিক সাহিত্যৰ যোগেদি। আন আন ০.০ অৱতৰণিকা ঃ ভাষাৰ সাহিত্যৰ দৰেই অসমীয়া সাহিত্যৰো আৰম্ভণি মৌখিক গীত-মাতেৰে হৈছে। মৌখিক সাহিত্যৰ পাছতহে

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## A Sociological Study on Climate Change and Health Issues of Aged Women in Sivasagar District, Assam

#### Erani Mohan

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#### Abstract:

The word 'Aged' refers to the last phase of the life cycle of an individual and it implies physical and psychological changes like- physical weakness, decline sense of perception, mental activities, social activities and interests. Ageing is biological as well as social process. On the other hand, environmental change related to the source of socio-economic behavior of human life. The aged women face lots of health problems due to environmental issues and climate change. The specific problems including physical abilities decline, mental and physical abilities illness, reduced standard of living etc. are related with aged women. This study is based on primary data collected from 50 respondents of Santak Tea Estate of Sivasagar District by using a purposive sampling method. This study highlights the health problem of aged women, the living condition of aged women, relationship between environment source and health problems of aged women.

Key words: Aged women, climate change, health problems

### Introduction:

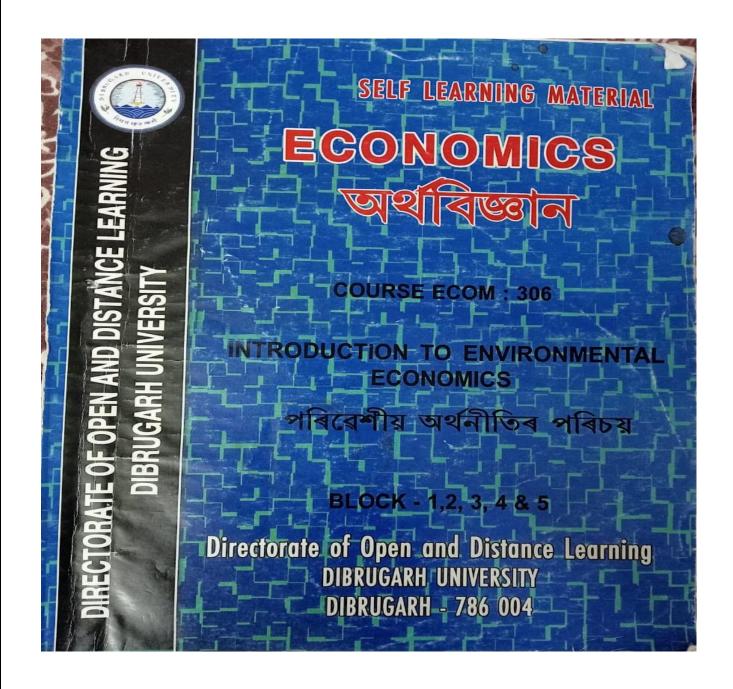
In gerontology the term aged refers to the last phase of the life cycle of an individual when one normally has deteriorated health within their attitude, psychology,

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## Dr Rupjyoti Borah, Associate Professor, Dept. of Economics







## COURSE : ECOM : 306 INTRODUCTION TO ENVIRONMENTAL ECONOMICS

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ISBN NO.: 978-93-82785-60-6

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Published on behalf of the Directorate of Open & Distance Learning, Dibrugarh University by the Director, ODL, D.U. and printed at Central Graphics & Printing, A.T. Road, Naliapool, Dibrugarh - 786001

#### Acknowledgement

The Directorate of Open & Distance Learning, Dibrugarh University duly acknowledges the financial assistance from the Distance Education Council, IGNOU, New Delhi for preparation of this Self Learning Material.

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#### লোট - 2

#### পৰিৱেশীয় অৰ্থনীতিৰ পৰিচয়

#### (Introduction to Environmental Economics)

#### গঠন বিন্যাস

- 2.0. উদ্দেশ্য
- 2.1. প্রস্তারনা
- 2.2. পৰিৱেশীয় অৰ্থনীতিৰ পাতনি
- 2.2.1. পৰিৱেশীয় অৰ্থনীতিৰ সংজ্ঞা
- 2.2.2. পৰিৱেশীয় অৰ্থনীতিৰ উদ্দেশ্য
- 2.2.3. পৰিৱেশীয় অৰ্থনীতিৰ বিষয়
- 2.2.4. পৰিৱেশীয় অৰ্থনীতিৰ উৎপত্তিৰ আদি কথা অগ্ৰগতিৰ খতিয়াণ
- 2.3. পৰিৱেশীয় গুনাগুণ
- 2.4. নিবনানীকৰণ
- 2.4.1. নিবনানীকৰণৰ কাৰণ
- 2.4.2. নিবনানীকৰণৰ প্ৰভাৱ
- 2.4.3. নিবনানীকৰণৰ সমাধান অগ্ৰগতিৰ খতিয়াণ
- 2.5. জৈৱ বৈচিত্ৰ্য
- 2.5.1. জৈৱ বৈচিত্ৰ্যৰ ক্ষতি
- 2.5.2 জৈৱ-বৈচিত্ৰ্যৰ ক্ষতিৰ কাৰণ অগ্ৰগতিৰ খতিয়াণ
- 2.6. বহনযোগ্য উন্নয়ণ
- 2.6.1. বহনযোগ্য উন্নয়ণৰ সূচক অগ্ৰগতিৰ খতিয়াণ
- 2.7. আমি কি শিকিলো

নির্যন্ট

পাঠ্য নির্দেশনা

অগ্ৰগতিৰ খতিয়াণৰ সম্পৰ্কত ইংগিত

আদর্শ প্রশ্ন - উৎস প্রসাংগ

(35)





খণ্ড - 1 গোট - 2

### পৰিৱেশীয় অৰ্থনীতিৰ পৰিচয় (Introduction to Environmental Economics)

2.0. উদ্দেশ্য ঃ পূৰ্বৰ অর্থাৎ এই গোটটোৰ আগৰ গোটটোত তোমালোকে পৰিৱেশ আৰু পৰিস্থিতি বিজ্ঞানৰ মাজত থকা সম্পর্ক, এনট্র পি সূত্র, তাপগতিৰ সূত্র, পৰিস্থিতি বিজ্ঞান পৰিৱেশ আৰু অর্থনীতিৰ মাজত থকা সম্পর্ক, সম্পদ আৰু অর্থনিস্টিৰ ধাৰণাৰ বিষয়ে পঢ়ি অহাৰ ওপৰিও পৰিৱেশক সামাজিক আৰু অর্থনিতিক সম্পদ হিচাপে বিবেচনা কৰাৰ বিষয়েও বুজিব পাৰিছা।

এই গোটটো পঢ়ি তোমালোকে

- পৰিৱেশ অর্থনীতিৰ সংজ্ঞা নিৰুপন কৰিব পাৰিবা।
- পৰিৱেশ অর্থনীতিৰ উদ্দেশ্য আৰু বিষয়সমূহ চিনাক্তকৰণ কৰিব পাৰিবা।
- 3) পৰিৱেশ অৰ্থনীতিৰ উৎপত্তিৰ আদি কথাৰ মূল্যুয়ণ কৰিব পাৰিবা।
  - পৰিৱেশীয় গুণ বা মানৰ বিষয়ে জানিব পাৰিবা।
  - নিবনানীকৰণৰ ব্যাখ্যা কৰিব পাৰিবা।
- 6) জৈৱ-বৈচিত্ৰ্যৰ ক্ষতি বা লোকচানৰ কাৰণ নিৰ্ণয় কৰিব পাৰিবা।
  - বহনক্ষম উল্লয়ণৰ ধাৰনাৰ ব্যাখ্যা কৰিব পাৰিবা।
- 2.1. প্ৰস্তাৱনা ঃ সময়ৰ গতিত পৰিৱেশ অৰ্থনীতিয়ে 1970 চনৰ পৰা অৱধাৰিতভাৱে এক বিশেষ গতি লাভ কৰিছে। এই গোটটোত তোমালোকক পৰিৱেশ অৰ্থনীতিৰ পাতনি দাঙি ধৰা হ'ব। এই গোটটো অধ্যয়ণৰ যোগেদি পৰৱৰ্ত্তীখণ্ড সমূহৰ গোটসমূহ অধ্যয়ন কৰাত সুবিধা হ'ব। এই গোটটো পঢ়ি তোমালোকে পৰিৱেশ অৰ্থনীতিৰ উৎপত্তিৰ

আদি কথা, পৰিবেশীয় গুণ বহনক্ষম উন্নয়নৰ বিষয়ে

2.2. পৰিবেশ অৰ্থনী গোটটিত পৰিবেশৰ হ দৃষ্টিকোনৰ পৰা পৰিবে অৰ্থনৈতিৰ সূচনা হৈছে চাব পাৰো। পৰিবেশ (উপ-শাখা) বিয়ে প অৰ্থত ব্যৱহাৰ) বুং প্ৰয়োজন হোৱা চে সম্পৰ্ক আন্তঃ বি পৰিচালিত হয়, যিয়ে অৰ্থনীতিখ কৰে।

পৰিবেশ সমালোচক হ' state Econo ডেলীৰ মত পাৰে আৰু জ পৰিবেশৰ Steady S কাৰ্য্যকলাগ ডেলীয়ে পৰিবৰ্তি উন্নয়নৰ

অর্থনৈ

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### Dr. Dimpee Baruah, Assistant Professor, Dept. of Mathematics

Bhabesh Deka · Pradipta Maji · Sushmita Mitra · Dhruba Kumar Bhattacharyya · Prabin Kumar Bora · Sankar Kumar Pal (Eds.)

.NCS 11941

# Pattern Recognition and Machine Intelligence

8th International Conference, PReMI 2019 Tezpur, India, December 17–20, 2019 Proceedings, Part I

Part I







Sushmita Mitra D Indian Statistical Institute Kolkata, India

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ISSN 0302-9743 ISSN 1611-3349 (electronic) Lecture Notes in Computer Science ISBN 978-3-030-34868-7 ISBN 978-3-030-34869-4 (eBook) https://doi.org/10.1007/978-3-030-34869-4

LNCS Sublibrary: SL6 - Image Processing, Computer Vision, Pattern Recognition, and Graphics

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## Comparison of the Airline Networks of India with ANI Based on Network Parameters

Dimpee Baruah<sup>(⊠)</sup> and Ankur Bharali

Department of Mathematics,
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Abstract. Transportation systems play an important role in maintaining the balance of modern civilization. Among them, one of the essential transport systems is air transportation system. So the study and proper maintenance of the air transportation network, either domestic or global, prove to be very much essential. The present paper provides an analysis of three major airline networks of India viz. Indigo, Jet Airways, and Air India from the perspectives of structure and robustness. The study is done by adopting complex network approach. A comparison of these three major airlines with Airport Network of India (ANI) based on some network parameters is also analysed.

**Keywords:** Airline network · Robustness · Complex network · Network parameters · ANI

#### 1 Introduction

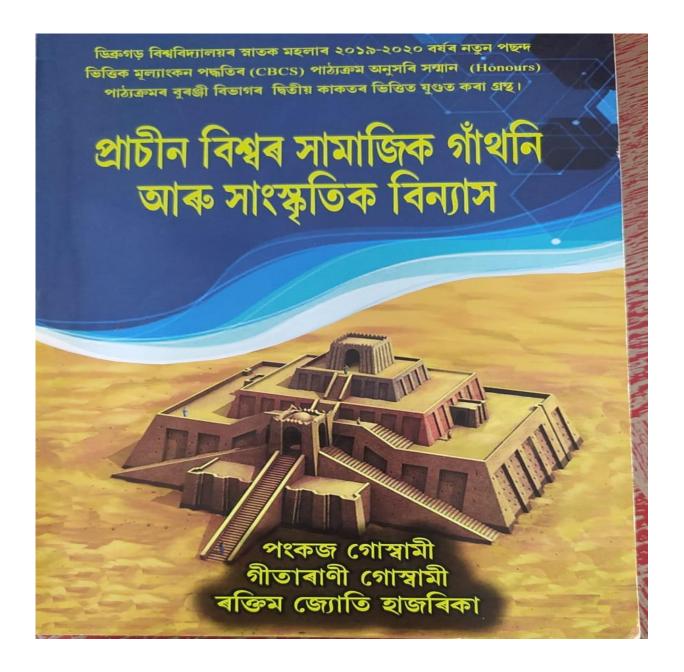
In present time, one of the essential transport systems is the air transportation system. And, it is one of the inseparable elements of our present societies for their high level of mobility. So the study of air transportation network plays a vital role for proper maintenance of the system. Many studies have been done to analyze various countries air transportation network such as US [10], China [11], India [2], Brazil [5] etc. The studies have been done to analyze the infrastructure, connectivity, flow of traffic etc. of the network. As the dependency on these networks is increased, so the study of the robustness of the network becomes essential. Robustness is the ability of a network to continue to perform properly when it is subject to failures or attacks [7]. Robustness is one of the most anticipated properties of any transportation network. The level of vulnerability to which a network can expose through random and most central nodes or/and link failures, can be evaluated by studying the robustness of the network during different node or edge failures [1]. The robustness analysis of an airline network shows







## Gitarani Goswami, Associate Professor, Dept. of History







BINYASH: A book on History for Thiele you as per new CBCS Syllabus (2019-20) of Dibrugarh University, written by Pankaj Goswami, Asstt. Professor, Deptt. of History, J.B. College (Autonomous), Jorhat, Gitarani Goswami, Associate Professor, Deptt. of History, Majuli College, Majuli & Raktim Jyoti Hazarika, Asstt. Professor, Deptt. of History, Jorhat College (Amalgamated), Jorhat and published by Bidya Bhawan, Jorhat, Assam.

Price: Rs. 220/- only First Edition: July, 2019

প্ৰকাশক আৰু পৰিবেশক বিদ্যাভৱন মহাত্মা গান্ধী পথ

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ISBN: 978-93-85439-56-8

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#### Dr. Dimpee Baruah, Assistant Professor, Dept. of Mathematics

## Analysis of Three Major Airline Networks of India: A Complex Network Approach



Dimpee Baruah (1) and A. Bharali (1)

**Abstract** Air transportation network is one of the most important transport networks in recent time. In the air transportation network, the study of robustness of airlines network plays a key role. Robustness is the ability of a network to continue to perform properly when it is subject to failures or attacks. We adopt a complex network approach to analyze the robustness of three major airlines of India viz. Indigo, Air India, Jet Airways by simulating random attack and targeted attack on the separate airlines networks. Random attack is based on the removal of random airports from the network and targeted attack is based on the removal of important airports based on the node attributes like degree, betweenness.

**Keywords** Complex network · Network measures · Robustness · Airport network of India (ANI) · Airline networks

#### 1 Introduction

Air transportation network is one of the most important transport networks in recent time. Nowadays, air transportation network is one of the essential elements of our present societies for their high level of mobility. Various countries such as USA [1], China [2], Italy [3], India [4], Australia [5], Brazil [6] air transportation network have been studied to analyze the infrastructure, connectivity, flow of traffic, etc. Due to the increasing dependency on this network, the study of the robustness of the network also plays an important role. Robustness is the ability of a network to continue to perform properly when it is subjected to failures or attacks [7]. Robustness is one





on the node attributes like degree, betweenness.

**Keywords** Complex network · Network measures · Robustness · Airport network of India (ANI) · Airline networks

#### 1 Introduction

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S. Bhattacharyya et al. (eds.), *Mathematical Modeling and Computational Tools*, Springer Proceedings in Mathematics & Statistics 320, https://doi.org/10.1007/978-981-15-3615-1\_36

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## Dr. Madhabi Devi, Assistant Professor, Dept. of Physics

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Materials Research Foundations 64 (2020) 209-256

https://doi.org/10.21741/9781644900550-8

## Chapter 8

## Defect Engineered Graphene Materials for Supercapacitors

Madhabi Devi<sup>1,2</sup> and Ashok Kumar<sup>1\*</sup>

<sup>1</sup>Department of Physics, Tezpur University, Napaam, Tezpur-784028, Assam, India <sup>2</sup>Department of Physics, Majuli College, Kamalabari-785106, Assam, India \*ask@tezu.ernet.in

#### Abstract

Growing global demand for efficient and sustainable energy storage systems can be met through the development of electrochemical capacitors or supercapacitors owing to their high power performance, long cycle life and environmental benignity. Graphene and its derivatives have been widely used as electrode materials for supercapacitors because of their high specific surface area, low density, high electrical conductivity, thermal and mechanical stability. However, their re-aggregation reduces specific surface area and inhibits their electrochemical performance. Introducing defects in graphene has gained importance to address this issue, which can change its density of states, crystal symmetry and porosity enhancing electrode-electrolyte interfacial interaction. The present chapter deals with defect engineering on graphene-based materials for improved supercapacitor performance. Different defect generation and characterization techniques have been discussed in detail.

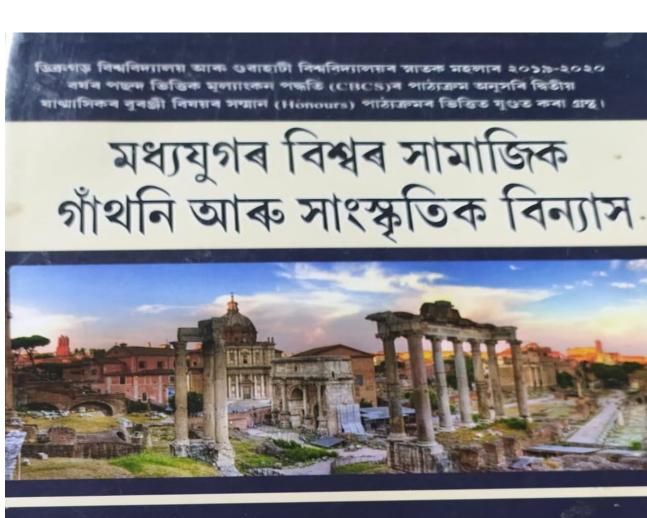
### Keywords

Supercapacitors, Graphene, Defect Engineering, Doping, Functionalization, Irradiation,





### Gitarani Goswami, Associate Professor, Dept. of History



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MADHYAJUGAR BISWAR SAMAJIK GATHONI AKC SANSKRITIK BINAYAS: A book on History for three years degree course prepared as per new CBCS syllabus of Dibrugarah & Gauhati University for Honours students written by Pankaj & Goswami, Asstt. Prof., Deptt. of History, J. B. College Goswami, Asstt. Prof., Deptt. of History, J. Deptt. of (Autonomous), Gita Rani Goswami, Associate Prof., Deptt. History, Majuli College and Raktim Jyoti Hazarika, Asst. Prof., Deptt. of History, Jorhat College (Amalgated) and Published by Bidya Bhawan, M.G. Road, Jorhat (Assam)

First edition: February, 2020

Price: Two hundred Fifty only/-

প্ৰকাশক আৰু পৰিবেশক ঃ বিদ্যাভৱন এম, জি ৰ'ড, যোৰহাট -১

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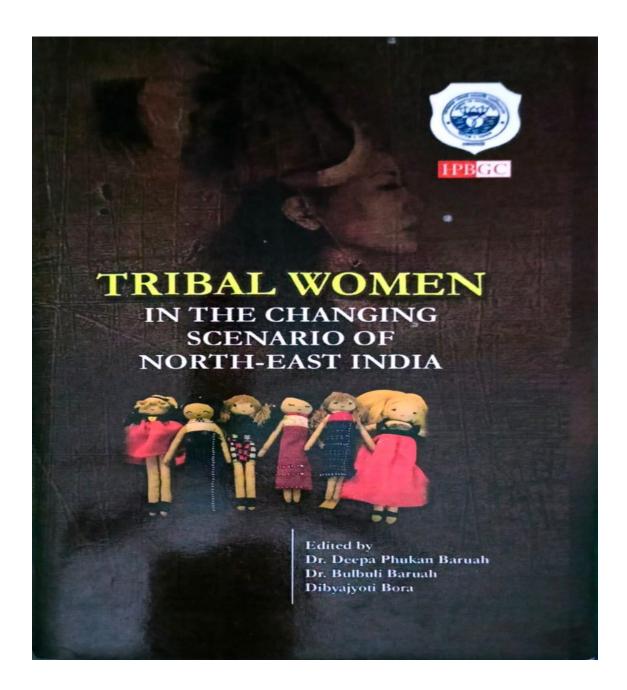
মুদ্ৰণঃ বৰকটকী অফ্চেট প্ৰিণ্টাৰ্ছ, মালৌ আলি, যোৰহাট

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## Published by:

H. P. B. Girls' College, Golaghat

P.O: Bengenakhowa

Dist. : Golaghat PIN : 785702

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First Edition: June 1, 2020

ISBN No: 978-81-946246-0-8

Printed in India .

Printed at: Probhati Printers, Golaghat Town, Assam, India





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District of Assam	Setting: A Study on Tribal Women of Ponka Geon in Go	laghat
Dr. Daisy Rani Chutia 92-100	District of Assam	
72-100	Dr. Daisy Rani Chutia	92-100





## A Study on Environmental Awareness and Education among Mising Women of Kamalabari Block, Majuli

Pronita Rajkhowa Bhayoleena Borah Simanta Bordoloi

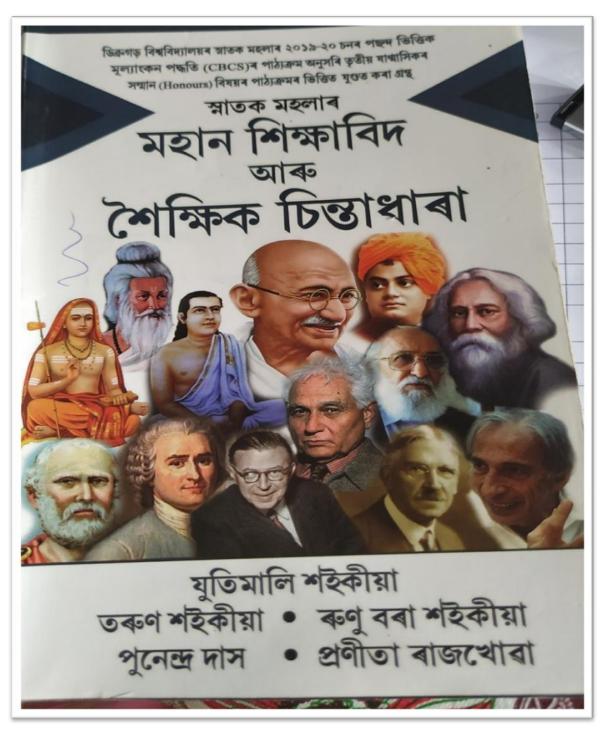
#### ABSTRACT:

The present paper is an attempt to analyze the environmental awareness and education among the Mising women. They play a vital role in their society. Environmental awareness should be a life-long process through all formal and non-formal stages and should be interdisciplinary with a holistic and balanced perspective. Our study area is Kamalabari Block, Majuli sub-division. Majuli is the largest river island of the world having near about 45% Mising people living in different villages. Comparing with the other inhabitants of the island the living standard of those tribal people are not so satisfactory. It may be due to the fact that they are lesser aware about their total environment and are still far away from the impact of education. Therefore, the basic aim of the paper will try to find out the awareness of the rural Mising community's women assuming that, there are exists no significant relationship between





## Pronita Rajkhowa, Assistant Professor, Dept. of Education



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SNATAKMAHALAR MAHANSHIKSHAVID ARU SAISHIK CINTADHARA SNATAKMAHALAR MARIAN SILVER STATE OF ST : A book on Education for Three Tear Degree Course prepared as per new semester syllabus of Dibrugarh University written by Mrs. per new semester symmetric profits of Education, Jorhat College, Juti Mali Saikia, Associate Prof., Dept. of Education, Jorhat College, Sri Tarun Saikia, Head of Department of Education, Cinnamara College and Mrs. Runu Borah Saikia Asst. Prof., Department of Education, Cinnamara College, Jorhat, Miss Pranita Rajkhowa Astt. Prof. Department of Education, Majuli College, Majuli, Mr. Punendra Das Astt. Prof. Department of Education, Kamargaon College, Golaghat and published by Bidya Bhawan, Jorhat - 1, Assam.

Ninth Revised Edition (CBCS): September, 2020

Price: Rupees two hundred forty only

প্ৰকাশক আৰু পৰিবেশক

বিদ্যা ভৱন,

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প্ৰথম প্ৰকাশ ঃ জানুৱাৰী, ২০০৯

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ISBN: 978-81-910983-9-6

মুদ্ৰণঃ বৰকটকী অফছেট প্ৰিণ্টাৰ্ছ

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ছাত্ৰীস কৰা হৈ

> সক্ত আৰে পৰী

ডিব্ৰুগড় বিশ্ববিদ্যালয়ৰ স্নাতক মহলাৰ ২০১৯-২০ চনৰ সংশোধিত পছন্দ ভিত্তিক মূল্যাংকন পদ্ধতি (CBCS)ৰ পাঠ্যক্রম অনুসবি তৃতীয় যাথাসিকৰ সন্মান (Honours) বিষয়ৰ পাঠ্যক্ৰমৰ ভিত্তিত যুগুত কৰা গ্ৰন্থ

# স্নাতক মহলাৰ আৰু শৈক্ষিক চিন্তাধাৰা



যুতিমালি শইকীয়া সহযোগী অধ্যাপিকা, শিক্ষাতত্ত্ব বিভাগ যোৰহাট মহাবিদ্যালয়, যোৰহাট

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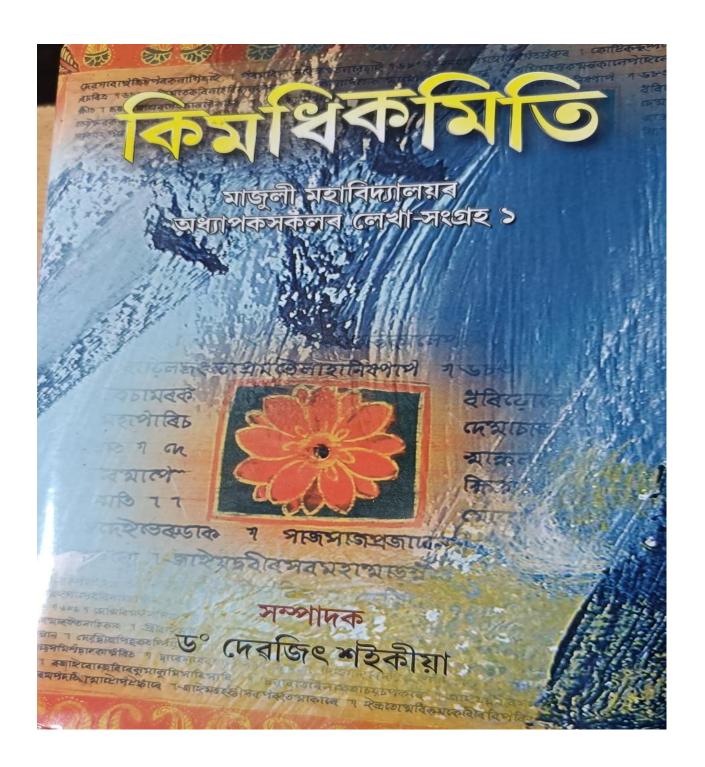




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# भू ही श ज

### সাহিত্য-সংস্কৃতি-সমাজ

বেজবৰুবাৰ আধ্যাত্মিক দর্শন ঃ এক আলোকপাত 

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Exploring the Protesting Female Voice in Mamoni Raisom Goswami's Short Fiction 

Apurbajyoti Hazarika । ২১

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ড° দেৰজিং শইকীয়া । ২৮

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তুলসী ৰাজখোৱা । ৫৭

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তnline Education : A Battle with
Pandemic 

Dr. Jaya Kalita Gogoi । ১০৫

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মাজুলী ঃ তেতিয়া আৰু এতিয়া 🔳 ড° আনন্দ হাজৰিকা। ১১৩ আহোম যুগৰ মন্দিৰ-স্থাপত্য ঃ এটি পৰ্যালোচনা 🗷 গীতাৰাণী গোস্বামী। ১২৩ Opencast Coalmining and Its impact on the Environment with Special Reference to North East India 🗷 Dr. Juli Gogoi। ১৩৮ এটা পুথিভঁৰালৰ ছবি 🗷 প্ৰদীপ চন্দ্ৰ দাস। ১৪৭

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Kimadhikamiti: A collection of articles and published by Dr. N. C. St. N. C. Kimadhikamiti: A collection of article and published by Dr. N. C. Sharma, College edited by Dr. Debajit Saikia and publication Division. Mainticollege Publication Division. College edited by Dr. Depart Secretary on behalf of Majuli College Publication Division, Majuli College. 1st Publication: Sept., 2020

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ড° আনন্দ হাজৰিকা

ড° নাৰায়ণ চন্দ্ৰ শৰ্মা

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ISBN: 978-93-83588-25-1

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ঃ ২০০/-টকা মাত্র





# শংকৰদেৱৰ সমকালীন সমাজ আৰু 'পাৰিজাত হৰণ'ত ইয়াৰ প্ৰতিফলন

### দুলাল হাজৰিকা

শংকৰদেৱ অসমৰ সমাজ গঠনৰ প্রধান উদ্যোক্তা। তেওঁ অসমৰ সকলো জনগোষ্ঠীকে সামৰি এখন বহল সমাজ সৃষ্টি কৰিছিল। তেওঁৰ সামাজিক সংগঠন আৰু সাংস্কৃতিক সৃষ্টিশক্তি আছিল অতুলনীয়। শংকৰদেৱৰ ধর্ম প্রচাৰ আৰু সাহিত্য-সংস্কৃতিৰ বিভিন্ন সৃষ্টি এখন বহল সমাজ গঠনত প্রবল সহায়ক হৈছিল। আচলতে শংকৰদেৱৰ জীৱনৰ উদ্দেশ্যই আছিল সকলোকে সাম্য-মৈত্রীৰ আদর্শত দীক্ষিত কৰি এখন নতুন সমাজ গঠন কৰা। গতিকে তেওঁৰ আন আন কর্মৰাজিৰ লগতে সাহিত্যিক ৰচনাসমূহৰ মাজতো সেই উদ্দেশ্যৰ প্রতিফলন ঘটা দেখা যায়। বিভিন্ন গীত পদ, নাট আদি ৰচনা কৰি অসমীয়া সাহিত্যৰ ভেটি নির্মাণ কৰাৰ লগতে সামাজিক-সাংস্কৃতিক ক্ষেত্রতো সেই সময়ৰ এই অঞ্চলৰ সর্বসাধাৰণ জনগণক শিক্ষিত কৰি তুলিছিল। তাকে কৰিবলৈ যাওঁতে তেওঁৰ সন্মুখত আছিল বৃহৎ প্রত্যাহ্বান। কিন্তু তেওঁৰ প্রতিভা, দক্ষতা আৰু আদর্শত সেই প্রত্যাহ্বান অতিক্রম কৰাৰ অদম্য শক্তি নিহিত হৈ আছিল। শংকৰদেৱৰ সময়ৰ সামাজিক পটভূমিলৈ লক্ষ্য কৰিলেই সেই কথা সহজে বুজিব পৰা যায়।

কিমধিকমিতি। ৩৪।







# অসহায়ৰ আৰ্তনাদ ঃ ডাইনী হত্যা

### অনামিকা অধিকাৰী

'এটা সময়ত আমাৰ গাঁৱৰ কেইবাগৰাকীও লোকে মদ্যপান কৰি একেলগে মৃত্যুমুখত পৰিছিল। সেই মৃত্যুৰ কাৰণ বিবেচনা কৰি উচিত ব্যৱস্থা লোৱাৰ পৰিৱৰ্তে গাঁৱৰ কেইগৰাকীমান বয়সস্থ লোকে ডাইনীৰ উপস্থিতি সন্দেহ কৰি নামঘৰত এভাগ পূজাৰ ব্যৱস্থা কৰে। সেই পূজাতেই এগৰাকী মহিলাই মন্ত্ৰ উচ্চাৰণ কৰি মোক ডাইনী বুলি চিনাক্ত কৰে আৰু তাৰ পাছতেই মোক গাঁৱৰ পুৰুষ-মহিলা লগ হৈ মাছ মৰা জালেৰে বান্ধি গণপ্ৰহাৰ কৰে।' — এই ভাষ্য ৰাষ্ট্ৰীয় পৰ্যায়ৰ খেলুৱৈ দেবযানী বৰাৰ। (BBC News)

বৰ্তমান সমাজত বিজ্ঞান-প্ৰযুক্তিৰ দ্ৰুত প্ৰচাৰ আৰু প্ৰসাৰৰ ফলত মানুহৰ জীৱনধাৰণৰ মানৰ উত্তৰণ ঘটিছে, কিন্তু তাৰ লগতেই অতীতৰপৰা চলি অহা কিছুমান অন্ধবিশ্বাসে মানৱ সমাজৰ এই উত্তৰণত বাধাৰ সৃষ্টি কৰি আহিছে। আমাৰ সমাজ অন্ধবিশ্বাসৰ ভেটিত গঢ়ি উঠা এনে কিছুমান প্ৰথাৰ অনুশীলনৰ অংশীদাৰ হৈ পৰিছে যাৰ প্ৰভাৱ অতি ব্যাপক। এই অনুশীলনৰেই এক ভয়াৱহ স্বৰূপ হ'ল ডাইনী হতা, যি এতিয়াও আমাৰ সমাজত শিপাই আছে।

'ডাইনী' শব্দৰ প্ৰায় সমাৰ্থকভাৱে প্ৰয়োগ কৰা শব্দ হ'ল 'ডাকিনী', 'ভূতুনী' আদি আৰু ডাইনী প্ৰথাক একেযাৰতে বৰ্ণনা কৰাটো কঠিন। অঞ্চল, সংস্কৃতি, পৰম্পৰা অথবা (অন্ধ্ৰ) বিশ্বাসভেদে ই ভিন্ন সংজ্ঞা ধাৰণ কৰে। কিন্তু, ডাইনী সম্পৰ্কে বিশ্ববাণ্ড

কিমধিকমিতি। ৮৬।





# মহামাৰী আৰু সমাজ এক ঐতিহাসিক বীক্ষণ

### অনন্যা বৰুৱা

বিগত প্ৰায় কেইবামাহো ধৰি দ্ৰুতগতিত বিশ্বৰ প্ৰায় সকলো দেশকে ছানি ধৰা নভেল ক'ৰণা ভাইৰাছে বিশ্ববাসীৰ স্বাভাৱিক গতি ৰুদ্ধ কৰি তুলিছে। গতানুগতিক ব্যস্ততাপূৰ্ণ জীৱনৰপৰা ঘপহকৈ এক 'নতুন সাধাৰণ' জীৱনৰ লগত লাহে লাহে অভ্যস্ত হৈছে আমাৰ জীৱনশৈলী। সাহিত্যৰ পাতত অথবা বোলছবিত চিগ্ৰায়িত বিভিন্ন কাল্পনিক বিভীষিকাময় দৃশ্যৰ বাস্তৱ প্ৰতিফলন এই মুহূৰ্তত সৰ্বত্ৰে পৰিলক্ষিত হৈছে। আপাত দৃষ্টিত ক'ৰণা মহামাৰীৰ এই কালৰূপ অদ্ভূত আৰু অকল্পনীয় যদিও ইতিহাসৰ পাত লুটিয়ালে পূৰ্বতে সমগ্ৰ বিশ্বব্যাপি ত্ৰাস সৃষ্টিকাৰী বহুতো মহামাৰীৰ উদাহৰণ পোৱা যায়। আমাৰ এই আলোচনাত মহামাৰীৰ পৰৱৰ্তীকালত সমাজৰ ভিন্ন স্তৰত আহি পৰা বিভিন্ন পৰিৱৰ্তনৰ ৰূপৰেখা আৰু জটিলতা ইতিহাসৰ পৃষ্ঠাত কিদৰে লিপিবদ্ধ হৈছে, তাৰ এক চমু আভাস দিয়াৰ প্ৰয়াস কৰা হৈছে। স্বাভাৱিক প্ৰক্ৰিয়াৰে গৈ থকা এখন সমাজত যেতিয়া হঠাতে মহামাৰীসদৃশ এনে ঘটনাৰ স্ত্ৰপাত ঘটে, তেতিয়াই সমাজখনৰ আনুষংগিক বিভিন্ন কাৰকৰ পৰিৱৰ্তন দেখা পোৱা যায়। কোনো পূৰ্ব প্ৰস্তুতিৰ অবিহনে আকস্মিকভাৱে যেতিয়াই জনসাধাৰণে এনে ধৰণৰ পৰিস্থিতিৰ মুখামুখি হ'বলগীয়া হয়, তেতিয়া স্বাভাৱিক আতংকগ্ৰস্ততাৰ কাৰণেই হওক বা অন্যান্য বিভিন্ন কাৰকৰ বাবেই হওক সামাজিক, সাংস্কৃতিক মূল্যবোধৰ পৰিৱৰ্তন ঘটে আৰু সিয়ে ভৱিষ্যতৰ সমাজখনলৈ এক পৰিৱৰ্তন আনি দিয়ে।

ইতিহাস চর্চাত শেহতীয়াকৈ বহুবৈষয়িক অধ্যয়নে (multidisciplinary discourse) অগ্ৰাধিকাৰ লাভ কৰাৰ লগে লগে সামাজিক পট পৰিৱৰ্তনত কেৱল ৰাজনৈতিক কাৰকসমূহকে বিশ্লেষণ কৰাৰ বিপৰীতে সামগ্ৰিকভাৱে ভৌগোলিক, প্ৰাকৃতিক দুৰ্যোগ, দুৰ্ভিক্ষ জাতীয় বিষয়সমূহকো অধ্যয়নৰ আওতালৈ অনা হৈছে।

কিমধিকমিতি। ৭৯।





# মাজুলীৰ সত্ৰীয়া-সাহিত্য আৰু ইয়াৰ বিস্তৃতি

### তুলসী ৰাজখোৱা

#### আৰম্ভণি

ভাষা-সাহিত্য, সংস্কৃতি এখন সমাজৰ দাপোণস্বৰূপ। ইয়াৰ অবিহনে এটা জাতিৰ কোনো স্থায়ী পৰিচয় থাকিব নোৱাৰে। সাহিত্য অধ্যয়নৰ দ্বাৰা এটা জাতিৰ কলা-সংস্কৃতি আৰু সমাজৰ প্ৰকৃত পৰিচয় লাভ কৰিব পাৰে। জাতীয় সাহিত্য জাতিৰ আশা-আকাংক্ষা, আনন্দ-বেদনা আৰু ভাব-কল্পনা প্ৰকাশৰ থল। ভাৰতবৰ্ষত চহকী ভাষাসমূহৰ ভিতৰত অসমীয়া ভাষাও অন্যতম। অসমীয়া সাহিত্য-বুৰঞ্জীৰ যুগ বিভাজনত বৈষ্ণৱ যুগক অতি গুৰুত্বপূৰ্ণ বুলি গণ্য কৰা হয়। মহাপুৰুষ শংকৰদেৱ আৰু মাধৱদেৱৰ দ্বাৰা আৰম্ভ কৰা নৱ-বৈষ্ণৱ আন্দোলনে অসমীয়া সমাজক একত্ৰিত কৰি ধৰ্মীয় বিক্ষিপ্ততা আৰু আড়ম্বৰপূৰ্ণ আচাৰ-অনুষ্ঠানৰ পৰা জনতাক আঁতৰাই আনি ভগৱৎমুখী কৰি তোলে। নাট-গীত-কলা-সংস্কৃতিৰ যোগেদি এক সাংস্কৃতিক জাগৰণ সৃষ্টি কৰি সমাজ জীৱন বহু পৰিমাণে পৰিশীলিত ৰূপত প্ৰতিষ্ঠা কৰে। অন্যহাতে, বৈষ্ণৱ ধৰ্মৰ ভেটি সুদৃঢ় ৰূপত প্ৰতিষ্ঠা কৰাৰ লগতে কাব্য, নাট, গীত, পদ, গদ্য আদি সাহিত্যৰ বিভিন্ন শাখা প্ৰৱৰ্তন কৰি অসমীয়া সাহিত্য পূৰ্ণাংগ কৰি তোলে। বৈষ্ণৱ সাহিত্যই অসমৰ জাতীয় সাহিত্যৰূপে প্ৰতিষ্ঠা লাভ কৰে, বৈষ্ণৱ ধৰ্মৰ সামাজিক পদ্ধতিয়ে অসমৰ সামাজিক শৃংখলাৰ নিদৰ্শনৰূপে থিয় দিয়ে। গতিকে, মহাপুৰুষজনাৰ জীৱিত অৱস্থাতে বৈষ্ণৱ সত্ৰানুষ্ঠানত ভেটি তৈয়াৰ হয় আৰু পৰৱৰ্তী পৰ্যায়ত দামোদৰদেৱ, মাধৱদেৱ, গোপালদেৱ, হৰিদেৱ, গোপালআতা, ভট্টদেৱ আদি সন্ত-মহন্তসকলে নামনিৰ পৰা উজনি অসমলৈ ধৰ্ম প্ৰচাৰ কৰিবৰ বাবে

কিমধিকমিতি। ৫৭।





# পুনৰ-সামাজিকীকৰণ আৰু সামাজিক দিশ

### ড° ইৰাণী মহন

পুনৰ-সামাজিকীকৰণৰ ইংৰাজী প্ৰতিশব্দ হ'ল Resocialization। সামাজিকীকৰণৰ এটা গুৰুত্বপূৰ্ণ প্ৰকৰণ। সাধাৰণতে সামাজিকীকৰণ হ'ল এনে এটা প্ৰক্ৰিয়া, যাৰ জৰিয়তে এজন ব্যক্তিয়ে সমাজৰ লগত সমাযোজনৰ জ্ঞান আহৰণ কৰি সমাজৰ কাৰ্যক্ষম সদস্য হিচাপে নিজকে চিনাকি দিব পাৰে। এই প্ৰক্ৰিয়াৰ জৰিয়তে এজন ব্যক্তিয়ে সমাজৰ প্ৰচলিত আচৰণসমূহ আয়ত্ত কৰিবলৈ চেষ্টা কৰে। এইক্ষেত্ৰত পুনৰ-সামাজিকীকৰণৰ জৰিয়তে ব্যক্তিয়ে আয়ত্ত কৰা আচৰণসমূহ পুনৰবাৰ সংশোধন কৰি কাৰ্যক্ষম সদস্য হিচাপে নিজকে গঢ়ি তুলিব পাৰে। পুনৰ-সামাজিকীকৰণ হ'ল এনে এটা প্ৰক্ৰিয়া যাৰ জৰিয়তে ব্যক্তিয়ে বিভিন্ন সামাজিক সংস্থাসমূহত নিজৰ আচৰণসমূহ গঢ়ি তুলিব পাৰে। সমাজতত্ত্ববিদ Erving Goffmanৰ মতে, পুনৰ-সামাজিকীকৰণ হ'ল এনে এটা প্ৰক্ৰিয়া য'ত ব্যক্তিয়ে নিজৰ ভূমিকা আৰু সন্তাসমূহ পুনৰ বাৰৰ বাবে প্ৰস্তুত কৰে। এই প্ৰক্ৰিয়াত সামাজিকীকৰণৰ শিক্ষাসমূহ নতুন জ্ঞানৰ লগত সমাযোজন হয়। যিহেতু শিক্ষণ হ'ল এক নতুন জ্ঞান আৰু প্ৰতিমান। সেইবাবে এই শিক্ষণসমূহৰ লগত সামাজিক অভিজ্ঞতাসমূহে নতুন জ্ঞান আহৰণ কৰি পুনৰ বাৰ প্ৰস্তুত কৰাৰ সুবিধা প্ৰদান কৰে। ব্যক্তিৰ সামাজিক সংস্থাসমূহ অভিজ্ঞতাই পুনৰ-সামাজিকীকৰণত সহায় কৰে।

কিমধিকমিতি। ৪৫।





# Breaking Stereotypes Exploring the Protesting

# Female Voice in Mamoni Raisom Goswami's SHORT FICTION

### Apurbajyoti Hazarika

Indira Goswami (1942-2011), a Jnanpith awardee, more popularly known as Mamoni Raisom Goswami in literary circles, is a powerful writer of Assamese fiction with her penetrative insight into the diverse, multi-layered Indian society and culture. A cursory inquest into her fictional world brings to the fore a consistent pattern carefully designed to protest any anti-human project operative in the society at different levels. Noted critic G. P. Sarmah's remark is pertinent in this context:

Her bold approach with a liberal outlook against antihumanist traditional values in society shocks and charms her readers at the same time. Time and again, in all her fictional work, she lodges a protest, veiled in art at any offensive against humanity. And in this, women and workers—two most repressed and exploited classes in our society find her sympathetic focal attention. (Goswami 48)

কিমধিকমিতি। ২১।





# বৰ-মানুহ ড°ৰূপজ্যোতি বৰা

(এক)

'এৰা, বহুদিনৰ মূৰত বাইদেউৰ মুখখনলৈ মনত পৰি চকুপানী ওলাই আহিলহে!' মধুয়ে তাইৰ স্বামী দিগন্তক কথাটো কৈ দমকলত মুখ ধুইছে। 'নিজৰ মানুহৰ দৰে নিভাঁজ আন্তৰিকতাৰে মোক ডাঙৰ-দীঘল কৰিলে। সঁচা মৰম কি বুজিব পৰা হৈছিলোঁ। ইহঁত দুয়োজনীও ছাগৈ বৰ বৰ একোজনী হ'ল, তোলনী বিয়াৰ সময়ত মই যে কত কন্ট কৰিলোঁ ঘৰখনৰ বাবে! খুৰা-খুৰীদেউ, পেহী, ককা-আইতা সকলোৱে মোক যে কিমান মৰম কৰিলে, আজিকালিৰ দিনত এনেধৰণৰ মৰম ক'তো বিচাৰি নাপায় জানা!' প্ৰায় ১১ বছৰত তাই কৰা ত্যাগৰ কথাবোৰে মধুক কিবা যেন আৱেগিক কৰি তলিলে।

বাগানৰ সেউজীয়াৰ মাজত ডাঙৰ-দীঘল হোৱা মধু আজি কোনো কামতে পিছপৰি থকা নাই। দেখা-শুনাতো বৰ সুন্দৰী। বিবিধ খাদ্য ৰন্ধাৰপৰা ঘৰ সজোৱালৈকে সকলোতে পাৰ্গত তাই। নোৱাৰিবনো কেলেই। ডাঙৰ মানুহৰ ঘৰত আছিল ৰহয় তাই। অৱশ্যে, হঠাৎ তাইৰ খং উঠি আহিল। এই যে 'ডাঙৰ মানুহ' শব্দটো। এই শব্দটোৱে তাইৰ জীৱনটো হাঁহাঁকাৰ কৰি দিলে। তাই বুজি উঠিছিল ডাঙৰ মানুহবোৰ কিমান স্বাৰ্থপৰ সেই কথা। এই মানুহবোৰে কেতিয়াও কাকো সময় দিব নোখোজে। কেৱল চিনি পায় নিজক; নিজৰ ব্যস্ততা, নিজৰ গ্ৰ্ব-অহংকাৰত লুতুৰি-পুতুৰি। কেৱল নিজক চিনি পায়! দিগন্তক তাই অন্ত্ৰণ কৈ গ'ল কথাবোৰ।

কিমধিকমিতি। ১৭৭।





# সন্ধিক্ষণ

#### নৱ দাস

এটা কৰ্কশ শব্দই হঠাতে ককাৰ পুৱাৰ কেঁচা-টোপনিটো ভাঙি চূৰমাৰ কৰি দিলে। ককাই পুনৰ শোৱাৰ চেষ্টা কৰিও বিফল হ'ল। বিছনাৰপৰা খক্মক্কৈ উঠি আহি বাহিৰৰ মূঢ়াটোতে বহি পৰিলেহি তেওঁ। মুখ ধুবৰ বাবে বোৱাৰীয়েকে আনি দিয়া পানীৰ ঘটিটো হাতত লৈ সুধিলে, 'বোলো বোৱাৰী অ', সেইবোৰ কিহৰ শব্দ

শুনিলোঁ অ'?' আশীৰ দেওনা পাৰ হোৱা তালৌ ককাক এতিয়াও বয়সে সমূলি জোকাব পৰা নাই। কচু-ঢেঁকীয়াৰ নিৰ্ভেজাল পুষ্টি আৰু কেঁচা ঘাম মাটিত পেলাই ওহনি পথাৰত কৰা পৰিমিত পৰিশ্ৰমে এতিয়াও আটিল কৰিয়ে ৰাখিছে ককাৰ দুবাহুৰ মাংসপেশী। তিনিজনকৈ পুতেক আৰু বোৱাৰীসহ নাতি-নাতিনীৰে পৰিপূৰ্ণ তালৌ ককাৰ এখন তজ্বজীয়া সংসাৰ। পো-বোৱাৰীৰ আদৰ, মইনা-পুতৌ আৰু কণছোৱালীৰ দৰে নাতিৰ মৰম লগা মুখবোৰে দহ-বছৰৰ আগতে ঢুকোৱা পত্নী সেউতীৰ স্মৃতিকো কোনোবা সময়ত যেন পাহৰাই পেলায়। বলদ হালৰ প্ৰতি থকা অকৃত্ৰিম ভালপোৱা আৰু পথাৰৰ মহঙা মাটিময় গোন্ধটোৱে এতিয়াও কাহানিবা ককাক ৰিঙিয়াই মাতে পথাৰখনলৈ — আনিকি কেতিয়াবা শেহ ৰাতিতেই।

পুৱাৰ চিকুণ টোপনি ভঙা শব্দৰ পম খেদি সৰু বোৱাৰীয়েকৰ পৰা ককাই গম পালে — ঘৰৰ সন্মুখেৰে যোৱা গাঁৱৰ পুৰণিকলীয়া ৰাস্তাটোত পকীকৰণৰ কাম আৰম্ভ কৰিছে কোনোবাই। সেয়েহে কেঁচা পথটোৰ দাঁতিৰ গাঁৱৰ স্বাভিমানৰ চিনস্বৰূপ গছবোৰ নাতিয়েকহঁতে কোৱাৰ নিচিনাকৈ বগলী-গাড়ীবোৰে উভালি পেলাইছে। ট্ৰেক্টৰ চলোৱা সৰুটো পুতেক কণমইনাও তাতেই কাম কৰিবলৈ বুলি ঢলপুৱাতেই ঘৰৰপৰা ওলাই গ'ল। তিনি মাহৰ বাবে তাৰ আৰু কামৰ চিন্তা নাই। গছবোৰ কাটি ৰাস্তাটো পকী কৰিব। কথাটো মনতে গুণা-গঁথা কৰি তালৌ ককা পুৱাৰ চাহবাটি লৈ

কিমখিকমিতি। ১৬৭।





দদিন-দুৰাতি একেৰাহে চলি থকা উখল-মাখল তল পেলাই ৰৌমাৰি বিলখন সেইদিনা সন্ধিয়া পৰলৈ চেঁচা পৰিছিল। বিলৰ চাৰিওফালে কলমৌ, ঝাওবন আৰু কঁহুৱাৰ হেৰেপনি। পাৰৰ মুকলি ঠাইকণত সজা বুৰুলি খেৰৰ চালিখনৰ কাষত বেলিৰঙা জুই একুৰা দপ্ দপ্কৈ জ্বলি উঠিল। বাহলৈ ওভতা চৰাইবোৰৰ কলকলনিৰ বাহিৰে সেই ঠাইত কেৱল মৰিশালিৰ গুম্গুমনি।

জুইকুৰাৰ ওচৰত দুটা মানুহে কথা পতা শুনা গ'ল। মাটিৰপৰা এহাত ওপৰলৈ উঠা জুইকুৰা থাকোঁতেও অনুচ্ছ স্বৰৰ গৰাকী দুটাৰ মাজত যথেষ্ট এন্ধাৰ থুপ খাই আছিল। শেহ পুহৰ ঠেঁটুৱৈ ধৰা জাৰত কঁহুৱা বনবোৰ কঁপাৰ দৰে সিহঁতৰ কৰ্ষস্বৰতো যেন নিয়ৰ পৰিবলৈ ধৰিছিল।

কণপোনাই এইবাৰ কুৰি হাজাৰত ৰৌমাৰি ডাকিছিল। মানুহ লগাই বিলত ঘন ঘনকৈ জেং পেলাইছিল। খৰালি বিলৰ পানী অলপ শুকালত সি মেটেকা আঁতৰাই মাছ ধৰাৰ আয়োজন চলালে। কিন্তু পূৰা এটা দিন আৰু এৰাতি মেছিনেৰে পানী সিঁচি শেষ নোহোৱাত কণপোনাৰ থৰ্কাছুটি হেৰাল। ৰৌমাৰিৰ দেৱতালৈ পুনৰ এভাগ পূজা আগবঢ়োৱা হ'ল। তাৰ পাছত ঘেৰ মাৰি তাত মাছ ধৰা আৰম্ভ হৈছিল।

সি ছমাহৰ আগতেই খা-খবৰ কৰি ককিলাৰ জালোৱা দুটা ঠিক কৰি থৈছিল। জালোৱা মানে? কণপোনাই কেঁচুৱা কালৰেপৰা অনেক মাছুৱৈ দেখিলে। তাৰ দেউতাকেই শালমৰা অঞ্চলৰ বেছ নাম থকা জালোৱা আছিল। কিন্তু, ককিলাৰ জালোৱা দুটাৰ দৰে ক্ষীপ্ৰ গতি আৰু কৌশল আগতে তাৰ দেখা মনত পৰা নাই।

কিমধিকমিতি। ১৫৫।





# Online Education A Battle with Pandemic Dr. Jaya Kalita Gogoi

The world today is fighting with the biggest public health issue which is leading to one of the largest and the quickest restructuring and reorganization of the world order. The outbreak of corona virus disease (COVID-19) has been declared a Public Health Emergency of International Concern (PHEIC) and the virus has now spread to many countries and territories. By the end of March 2020, the epidemic had spread to over 185 countries. Corona virus disease (COVID-19) is a highly infectious and contagious disease caused by the newly discovered pathogen Novel Corona virus or as it is more commonly referred to as, Corona virus.

The effects of the ongoing global pandemic, i.e. covid-19, have been severe and have influenced many major sectors of India. We can't ignore that hardly a sector would remain unaffected by the crisis whether it is agriculture, industry,

transport etc.

One of the worst hit by the Covid-19 pandemic in the Country has been the education sector, resulted in the closure of schools, colleges and universities. The closure of schools, colleges and universities around the world has affected over 87% of all the world's students, according to a UNESCO

কিমধিকমিতি। ১০৫।







# ২০১৯ বৰ্ষৰ বছৰটোৰ শব্দ ঃ 'জলবায়ু জৰুৰী অৱস্থা'

ড° দেৱজ্যোতি ভট্টাচাৰ্য

বিশ্বৰ আগশাৰীৰ শিক্ষানুষ্ঠানসমূহৰ ভিতৰত অক্সফৰ্ড বিশ্ববিদ্যালয়ে সদায়েই এক সুকীয়া স্থান দখল কৰিবলৈ সক্ষম হৈছে। এই প্ৰসিদ্ধ বিশ্ববিদ্যালয়খনিৰেই অন্তৰ্গত বিশ্বৰ সৰ্ববৃহৎ বিশ্ববিদ্যালয় প্ৰকাশন প্ৰতিষ্ঠান অক্সফৰ্ড ইউনিভাৰ্চিটি প্ৰেছ (Oxford University Press)এ প্ৰতিবছৰে বৰ্ষটোৰ বাবে এটা শব্দ নিৰ্বাচন কৰে। কোনো এটি বৰ্ষৰ ভিতৰত প্ৰাকৃতিক, সামাজিক, সাংস্কৃতিক আদি বিভিন্ন ক্ষেত্ৰত সৰ্বাধিক প্ৰভাৱ পেলোৱা মৃষ্টিমেয় কিছু শব্দৰ ভিতৰত নিৰ্বাচন কৰা হয় এই শব্দটি। অৰ্থাৎ বিশ্বৰ সাম্প্ৰতিক পৰিস্থিতিৰ পৰিপ্ৰেক্ষিতত এই শব্দৰ গুৰুত্ব অপৰিসীম। এই

কিমধিকমিতি। ৯৬।





# মহামাৰীসৃষ্ট অৰ্থনৈতিক সংকট আৰু ইয়াৰ পৰিত্ৰাণ

ড° ব্রজেন চন্দ্র নেওগ

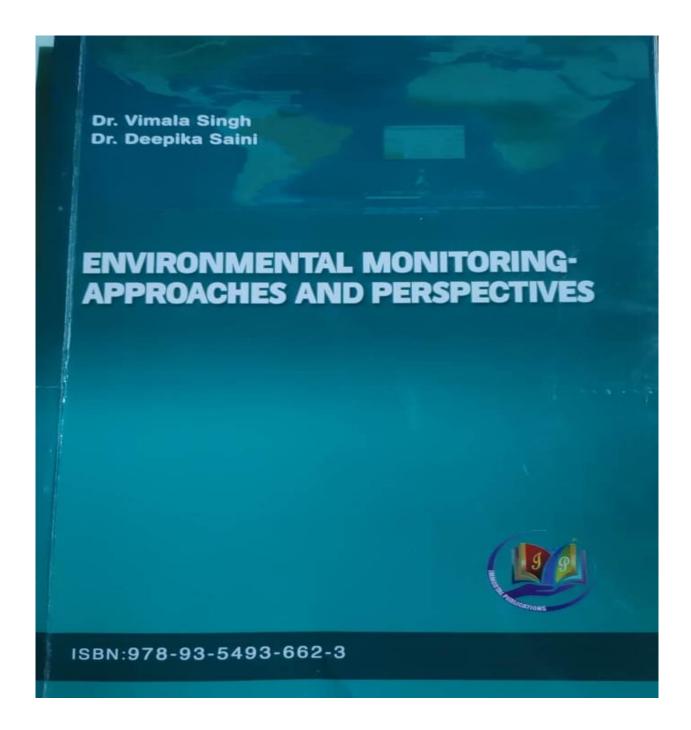
ক'ৰণা মহামাৰীয়ে বৰ্তমান সময়ত অৰ্থনীতিৰ সকলো দিশতে বিধ্বস্ত কৰিছে। মহামাৰীৰ প্ৰতিকাৰৰ বাবে চৰকাৰে লক্ ডাউন ব্যৱস্থা কাৰ্যকৰী কৰাৰ লগে লগে অৰ্থনীতিৰ গতিশীলতা স্তব্ধ হৈ পৰিছে। বৃহৎ কোম্পানী বা ব্যৱসায় গোষ্ঠীৰপৰা ক্ষুদ্ৰ, মজলীয়া সকলো উদ্যোগ-বাণিজ্য ক্ষেত্ৰ একেবাৰে মন্দাৱস্থাৰ ফালে গতি কৰিছে। অসমৰ প্ৰেক্ষাপটত যদি বিবেচনা কৰোঁ, তেতিয়াই বিশ্ব অৰ্থনীতিৰ ৰেহ-ৰূপ পৰিস্ফুট হ'ব। লক্ ডাউনৰ প্ৰভাৱত অসমৰপৰা গৈ ভাৰতৰ বিভিন্ন ৰাজ্যত কৰ্মৰত হৈ থকা ২৫ লাখ লোকৰ গৃহাভিমুখী আগমনে কেনে প্ৰভাৱ পেলাব সেয়া কল্পনাও কৰিব পৰা নাযায়। এই বহিঃৰাজ্যত কাম-কাজ কৰি থকা অসমৰ শ্ৰমিকসকল একপ্ৰকাৰ কাৰিকৰী জ্ঞানশূন্য শ্ৰমিক। বহিঃৰাজ্যত কোম্পানীৰ গেটৰখীয়া, মহৰী, ষ্ট'ৰ-ৰখীয়া আদি কাৰ্যত নিয়োজিত হৈ আছিল। কাৰণ সেই ৰাজ্যবোৰ উদ্যোগৰ ক্ষেত্ৰত বিশেষভাৱে আগবঢ়া হোৱাত এনে unskilled শ্ৰমিকৰ নাটনিৰ জোৰা মাৰিবলৈ এনেদৰে বহিঃৰাজ্যৰপৰা শ্ৰমিক আমদানি কৰি কৰ্মক্ষেত্ৰৰ সৃষ্টি কৰিছিল। কিন্তু, বৰ্তমান ক'ৰণা ভাইৰাছে কোঙা কৰাত সেই ৰাজ্যবোৰত ব্যক্তিগত খণ্ডৰ উদ্যোগবোৰ বন্ধ কৰিবলৈ বাধ্য হোৱাত সেইসকল অসমলৈ উভতি আহিবলৈ বাধ্য হ'ল। এইসমূহ ঘূৰি অহা শ্ৰমিকে অসমৰ অৰ্থনৈতিক অৱস্থা যে অধিক অৱনতি ঘটাব তাত সন্দেহ নাই। কাৰণ এই শ্ৰমিকসকলক কৰ্ম সংস্থাপন দিব পৰা পৰ্যাপ্ত ক্ষেত্ৰ অসমত একেবাৰে সম্ভৱ নহয়। অসম কৃষিপ্ৰধান হোৱাৰ বাবে কৃষি কাৰ্যত নিয়োজিত হোৱাৰ সম্ভাৱনা থাকিলেও সেইয়া পৰ্যাপ্ত নহয়। গতিকে এই ভয়াবহ নিবনুৱা সমস্যা সমাধানৰ ক্ষেত্ৰত বিকল্প আঁচনি যুগুত কৰাৰ অতীব প্ৰয়োজন।

কিমধিকমিতি। ৯২।





### Dr. Anup Kr Doley, Assistant Professor, Dept. of Zoology







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Dr. Deepika Saini Assistant Professor Dept. of Zoology Haridwar

ISBN: 978-93-5493-662-3

Year of Publication: 2021

Rs.500/-

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Published by Dr. Vimala Singh, Assistant Professor, Dept. of Environmental Studies, Miranda House, University of Delhi, Delhi

This imprint is published by the registered company Immortal Publications, the address is Prasadampadu, Vijayawada - 521108, Andhra Pradesh, India, 9885797377, 6309385400. https://www.immortalpublications.com

Printed by Renu Graphics, TF6, Anjandhari Towers, Prasadampadu, Vijayawada - 521108







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BN: 978-93-5493-662-3

Environmental Monitoring: Approaches and Perspectives

### study on Aquatic Insect Community of Doria beel freshwater wetland) Majuli, Assam

Dr. Anup Kumar Doley

Assistant Prof. of Zoology, Majuli College, Kamalabari, Assam anupkumardoley 77@gmail.com/anupkr\_slp@rediffmail.com

The aquatic insects of freshwater wetlands (freshwater cosystem) play an important role not only in the tropic mamics of the ecosystem and most of aquatic insects nstitute for food of fishes. Majuli, the largest river island has varied diversity of faunal species. The Majuli is the hotspots flora and fauna with 155 small and large wetlands within it. he state of Assam has as many as 3513 freshwater wetland ominated by large number of beels, swamps and marshes known as jalah, doloni, hola, pitoni etc. Besides beels, Assam ontains numerous ponds and tanks. The wetlands of Majuli form an integral part of river Brahmaputra. The Doria beel of Majuli lies in the geographical ordinates between-26°57'27.7"N latitudes and 94°10.02.4"E with altitudes of 70m ASL. The aquatic insects of Doria beel (Freshwater wetland) belonging to orders and 14 families. There are 27 species has been recorded from Doria beel during the study period. The paper highlighted about aquatic insects diversity of Doria resherwater wetland, Assam.

Key Words: Aquatic insects, Doria beel, Macrophytes, Wetlands

#### Introduction

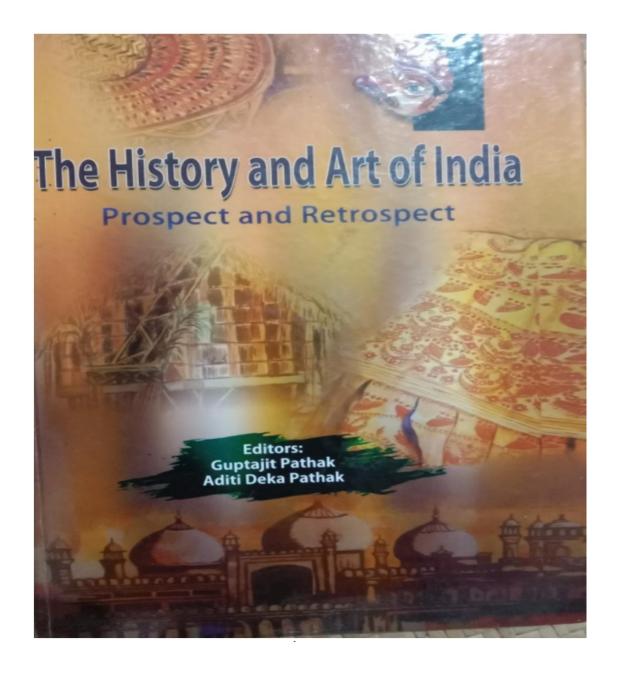
Majuli the largest river island of the world situated in the upper reaches of the river Brahmaputra in upper Assam. Majuli has a varied diversity of faunal species. It includes namely reptiles, amphibians, birds, fishes, molluscs, arthropods and insects etc. The Majuli is the hotspots of flora and fauna with 155 small and large wetlands within it (Bordoloi et al.2015). The freshwater ecosystem of India include all types of inland wetlands: lakes, rivers, ponds, streams, ground water, springs, cave waters, floodplains, bogs, marshes and swamps etc. The tate of Assam has as many as 3513 freshwater wetland dominated by large number of beels, swamps and marshes known as jalah, doloni, hola, pitoni etc. Besides beels, Assam

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### Bijoy Timung, Assistant Professor, Dept. of Education







First Publication: March, 2021

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ISBN: 978-81-948426-8-2

Price: 999.00 (Hard Bound)

55 USD

Cover Paintings: Aditi Deka Pathak

Typeset by Vidya Kutir Publications

Publishing by:

# Vidya Kutir Publications

137, Asola Village, New Delhi -110074 Phone: 9910321772

Email: vidyakutirpublications@gmail.com

Website: https://vidvakutirfoundation.org/book chaptership







# CHAPTER-8

## "JOONBILL MELA": A WAY OF DEVELOPMENT OF MARKET SYSTEM AND EDUCATION AMONG TIWA TRIBES OF ASSAM

DIMPAL DEKARAJA & BIJOY TIMUNG

#### ABSTRACT

Joonbill Mela is a traditional harvesting festival of Tiwa (Lalung) tribes of Assam which is celebrated in the month of January every year. This mela fair was first celebrated and organized by the Tiwa king 'Gobha Deorge during 15th century AD to exchange of goods between the Hill and Plan Tiwa tribes, which is called the barter system. In the later decades this me or fair became a place of market where the goods are bought and sold among Hill and Plain tribes as well as various other communities that he in the plain areas. Due to demerits of barter system the festival actual converted to market where the goods are exchanged in terms of mone However, as a tradition goods are still exchanged on the first day starting the mela or fair among the Hill and Palin Tiwa tribes. Although the system was started as a festival it can be called as the evolution of mante system among the Tiwa (Lalung) tribes. In this context the paper is trying analyse the economic effects of Joonbill Mela and to see how the market system developed among the Tiwa tribes.

Keywords: Joonbill Mela, Market, Barter System, Evolution.

### INTRODUCTION

The Lalungs or the Tiwas are a scheduled plain tribe (STP) of Assam. The Tiwas mostly inhabited Tiwas mostly inhabit the districts of Morigaon and Nagaon. The name Lalung is given to this trib. Lalung is given to this tribe by the non-Tiwas but they prefer to be called Tiwas. The Tiwas or Lalung Tiwas. The Tiwas or Lalungs are also found in the hills of present Karlings and Anglong district. Like all all all and a so found in the hills of present Karlings are also found in the hills of present Karlings and Anglong district. Anglong district. Like all ruling tribes of medieval Assam, The Tiwas all have their history of migration have their history of migration, conflict and settlement. In the medical period, the Tiwas ruled over the conflict and settlement. period, the Tiwas ruled over the five principalities known as Panchoralities k and seven principalities known as Satorajya under the Ahom administration in the western part of Nagaon 11 and 12 under the Ahom administration in the western part of Nagaon 11 under the Ahom administration in the western part of Nagaon 11 under the Ahom administration in the western part of Nagaon 11 under the Ahom administration in the western part of Nagaon 11 under the Ahom administration in the western part of Nagaon 11 under the Ahom administration in the western part of Nagaon 11 under the Ahom administration in the western part of Nagaon 11 under the Ahom administration in the western part of Nagaon 11 under the Ahom administration in the western part of Nagaon 11 under the Ahom administration in the western part of Nagaon 11 under the Ahom administration in the western part of Nagaon 11 under the Ahom administration in the western part of Nagaon 11 under the Ahom administration in the western part of Nagaon 11 under the Ahom administration in the western part of Nagaon 11 under the Ahom administration in the Western part of Nagaon 11 under the Ahom administration in the Western part of Nagaon 11 under the Ahom administration in the Western part of Nagaon 11 under the Ahom administration in the Western part of Nagaon 11 under the Ahom administration in the Western part of Nagaon 11 under the Ahom administration in the Western part of Nagaon 11 under the Ahom administration in the Western part of Nagaon 11 under the Ahom administration in the Western part of Nagaon 11 under the Ahom administration in the Western part of Nagaon 11 under the Ahom administration in the Western part of Nagaon 11 under the Ahom administration in the Western part of Nagaon 11 under the Ahom administration in the Western part of Nagaon 11 under the Ahom administration in the Western part of Nagaon 11 under the Ahom administration in the Western part of Nagaon 11 under the Nagaon 11 under th in the western part of Nagaon district i.e., present Morigaon district history writings and written d history writings and written documents on Medieval Assam and Model

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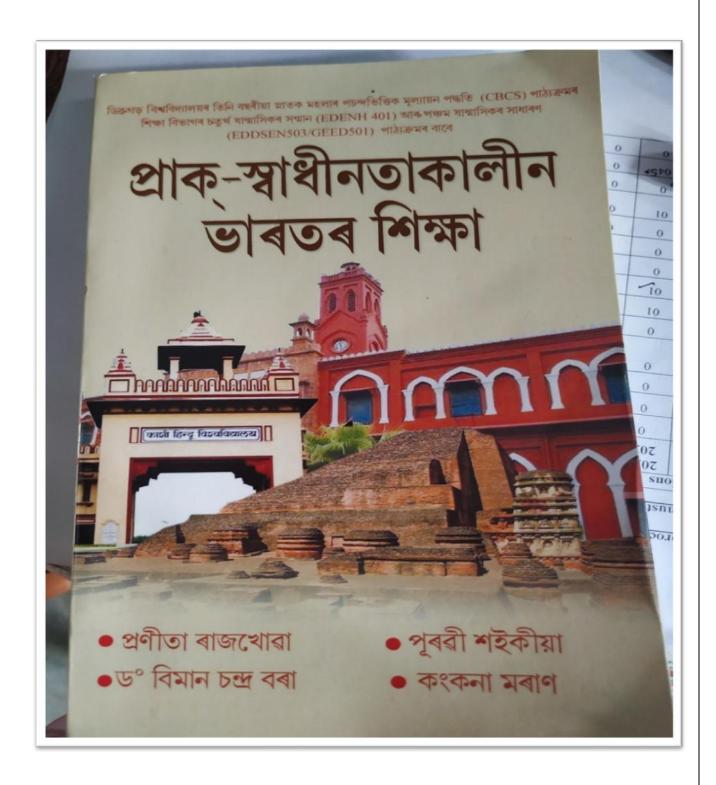
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### Pronita Rajkhowa, Assistant Professor, Dept. of Education







Prak Swadhinatakalin Bharatiya Sikhya: A textbook on Education for 4th semester Honours (EDNH401) and 5th semester Non Honours (GEED501 & EDDSEN503) prepared as per new CBCS 2019 syllabus of Dibrugarh University written by Pronita Rajkhowa, Assistant Professor, Majuli College, Majuli, Dr Biman Chandra Borah, Assistant Professor, SPP College, Namti, Sivasagar, Purabi Saikia, Assistant Professor, Majuli College, Majuli and Kangkana Moran, Moran Professor, Majuli College, Majuli and Kangkana Moran, Moran published by Bidyabhaban, Jorhat-1, Assam

First Edition: June, 2021 Price: Rupees: 230.00/-

প্রকাশক ঃ

বিদ্যা ভৱন,

মহাত্মা গান্ধী পথ, যোৰহাট-১

প্রথম প্রকাশ ঃ

জুন, ২০২১

গ্রন্থসত্ত ঃ

লেখকৰ

ISBN:

978-81-952621-0-6

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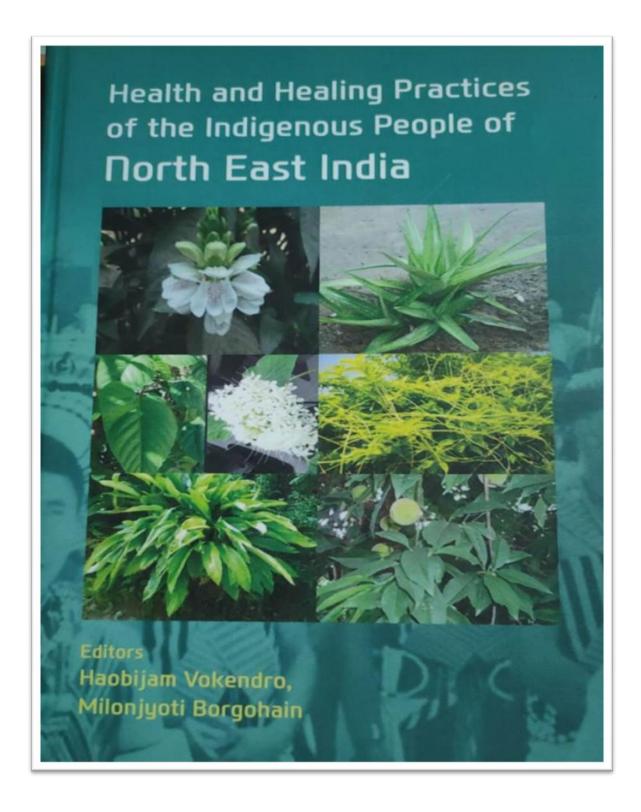
মুদ্রক ঃ

শইকীয়া প্ৰিণ্টিং ৱৰ্কছ, মহাত্মা গান্ধী পথ, যোৰহাট-১





### Dr. Anup Kr Doley, Assistant Professsr, Dept. of Zoology







#### OAuthor

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First Published, 2021 Published by



Kalpaz Publications C-30, Satyawati Nagar, Delhi - 110052 Ph.: 011-47034999, 9811692060

www.kalpazpublications.com E-mail: kalpaz@hotmail.com

Printed at: Gyan Press, Delhi.

#### Cataloging in Publication Data—DK

Courtesy: D.K. Agencies (P) Ltd. <docinfo@dkagencies.com>

Health and healing practices of the indigenous people of North East India / editors, Dr. Haobijam Vokendro, Milonjyoti Borgohain.

pages cm Contributed articles. ISBN 9789353246280

1. Indigenous peoples-Medicine-India, Northeastern. 2. Traditional medicine-India, Northeastern. 3. Indigenous peoples-Health and hygiene-India, Northeastern. I. Vokendro, Haobijam, editor. II. Borgohain, Milonjyoti, 1985- editor.

LCC GN477.H43 2021 | DDC 305.8009541







# Insects of Ethno-medicinal Importance with Special Reference to Mishing Community of North East India

Dr. Anup Kumar Doley

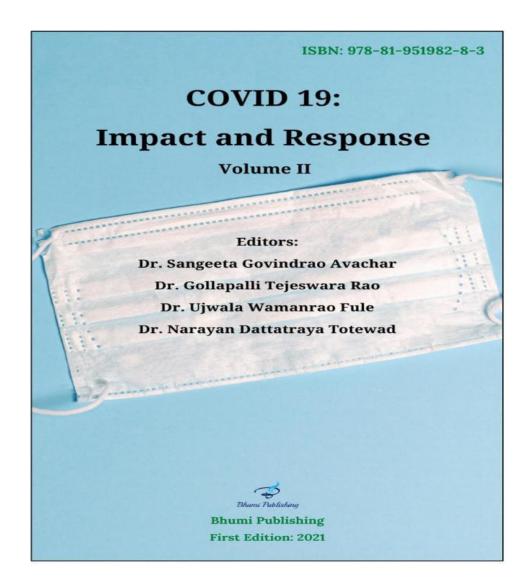
#### Introduction

The insects are high in protein, especially in the dried form in which they are frequently stored or sold in the village markets of developing countries: some are high in fat and many are rich sources of important vitamins and minerals (DeFoliart, 1995). A large number of insect species are readily consumed in most parts of the world. At least a 1000 species of insects are eaten worldwide, mainly in developing countries. They would form a whole new class of foods made to order for low-input small-business and smallfarm production. International trade in edible insects would almost certainly increase (DeFoliart, 1992). The use of insects as medicine is known from all parts of the globe, including Africa and China. Insects are consumed as food and medicine by some tribal communities in India (Kumari and Kumar, 2009). All the tribes of Kerala use honey of Apis indica for the treatment of headache, mouth ulcer, burns, cough, asthma, chest infection, throat pain, body pain, fungus infection and or health (Wilsanand, Varghese and Rajitha, 2007). Insects identify microbe cells quickly with the help of receptor molecules and synthesize protective peptides in response. So these creatures present inexhaustible and source of drug substances (Chernysh, 2005). Four species of insects has been used by Bhotiya tribesmen of Darma and Johaar valley in Kumaon Himalayas, Uttaranchal in the treatment of different diseases (Negi and Palyal, 2007). Many functional activities are being developed for potential applications, particularly in the field of human medicine (Dandin and Kumar, 2007). Honey (Apis indica) is used as eye drops to cure eye diseases, cough and cold by inhabitants surrounding the





### Dr. PollobiDuara, Assistant Professor, Dept. of Zoology



### **COVID 19: Impact and Response Volume II**

(ISBN: 978-81-951982-8-3)

**Editors** 







COVID 19: Impact and Response (Volume II)

ISBN: 978-81-951982-8-3

#### CHALLENGES TO THE ACADEMIC DOMAIN IN THE AFTERMATH OF COVID-19

#### Pollobi Duara

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#### Abstract:

This is a crucial time for the education sector. As there is no immediate solution to stop the outbreak of the pandemic COVID-19. A survey was done on the education system adopted by various institutions to meet the present situation. A total of 5 schools and 5 colleges were randomly selected both from the rural as well as urban areas. Data collection was done on the number of students benefitted by online teaching and the students which cannot be reached through online mode of teaching. As there is lockdown the present study was also done from home using online mode of survey using questionnarie. From the above study it was found that 80% of selected schools are adopting online mode of teaching whereas 100% of the selected colleges are adopting it.50% of school children are benefitted while 75.33% of college students are benefitted by online teaching. The rest cannot be reached due to various problems like-basic online access difficulty due to poor connectivity, parents cannot afford recharges or smart phone or laptops etc. So, this type of study will help to find out measures to solve the problems.

Keywords: Challenges, Education, Students, Pandemic.

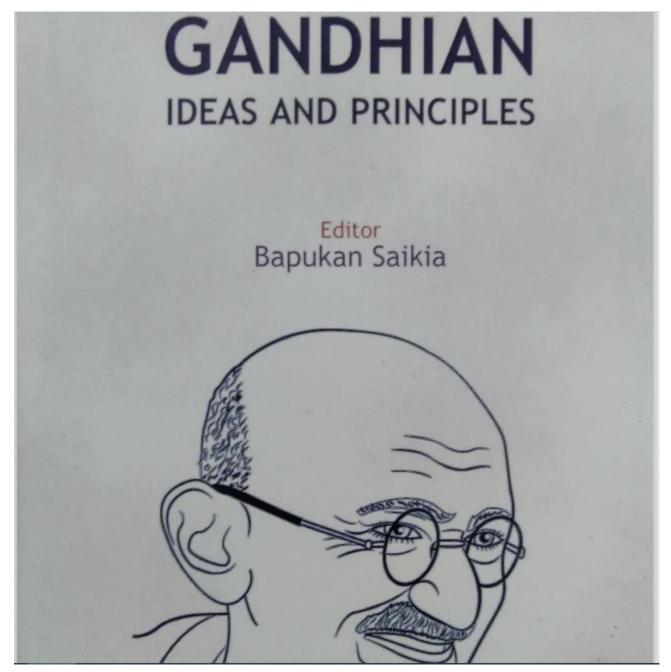
#### Introduction:

Due to the spread of COVID-19 around the globe every country is facing serious problems as the schools, collges, universities are closed. Every country is adopting measures to minimize the effect of the lockdown due to the outbreak of the pandemic COVID-19. Different countries are adopting various measures like creation of website, with all the information need to fight against COVID-19. Countries like France, Croatia develop partnerships with other organisations to develop website containing information on higher Education system. In India also online Education is adopted as the schools, colleges and universities are closed. But in countries like India, the major problem is that all the areas are not well connected with internet and the majority of males are using smartphones than females. The percentage of school



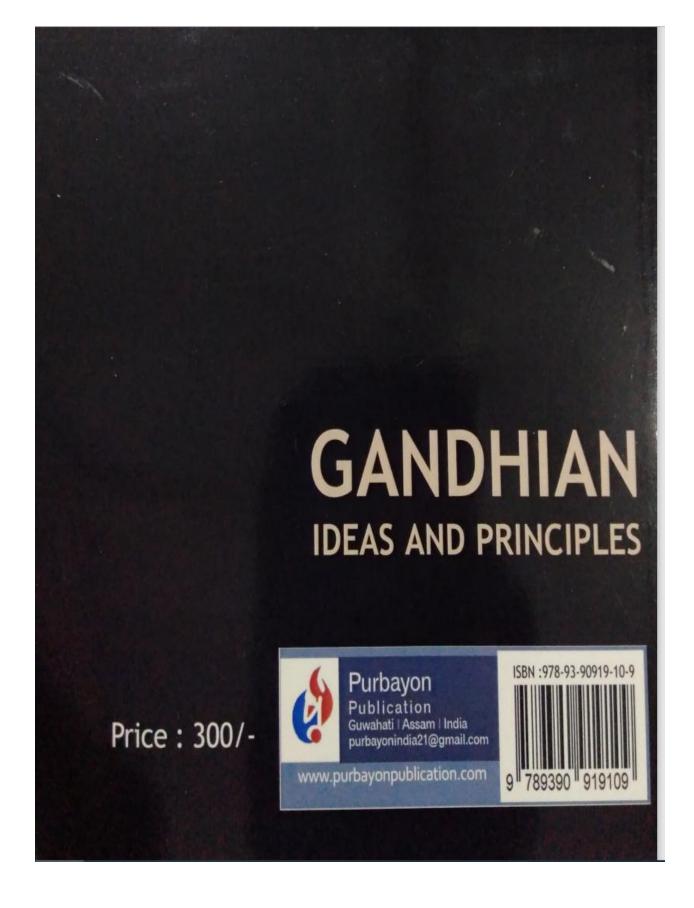


Anamika Adhikari, Assiatant Professor Dept. of Political Science













# Peasant Satyagraha After Gandhi

#### Anamika Adhikari

Assistant Professor, Department of Political Science, Majuli College

#### Introduction

Gandhiji's ideas give the world the principles of truth, non-violence and satyagraha. More than 70 years after his death, Gandhi's life and ideas continue to inspire and baffle readers. At present, political, economic, social and moral rights as well as values are going down and are being exploited. In the course of development, we have to think of these problems and try to find out the solutions it always comes to our meeds. By studying Gandhian ideas and principles above problems of contemporary world is to follow Gandhi's principles. It is Gandhi's philosophy that can save us from this every conceivable aspects of Indian life of his time as well as of initiated by Gandhi but it continues to inspire today.

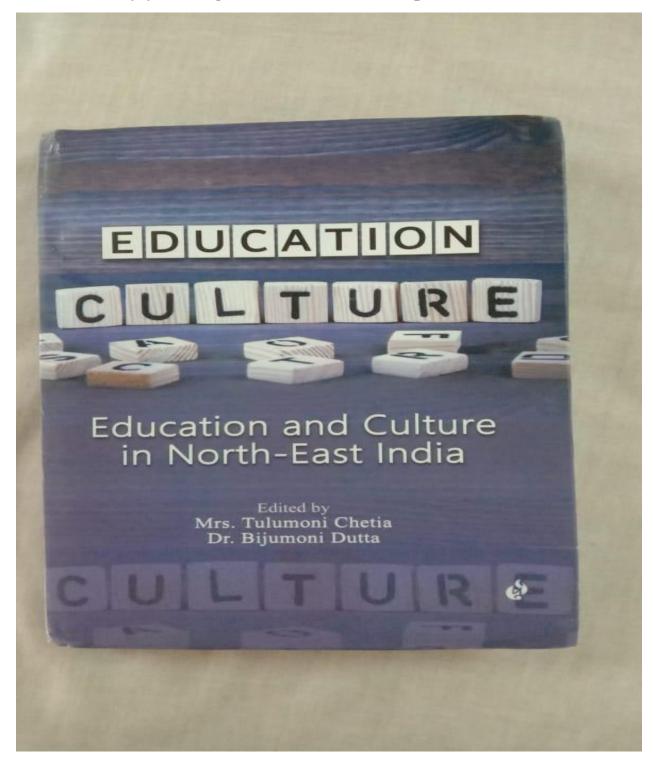
Satyagraha is formed by two Sanskrit words Satya which means Truth and Agraha means holding firmly. The central concept of Gandhi's philosophy is "Satyagraha". The pivotal and defining element of Gandhism is satya, it is a Sanskrit word for truth. It also refers to







### Bijoy Timung, Assiatant Professor Dept. of Education







Education and Culture in North-East India

A collection of Research articles Education and culture in North-East India, edited by Mrs. Tulumoni Chetia, Asst. Professor, Dept. of Education, Sapekhati College & Dr. Bijumoni Dutta, Asst. Professor, Dept. of Assamese, Sapekhati College and Published by Purbayon Publication, Panbazar, Guwahati-I

First Edition: December, 2021

Price: 330/-

ISBN: 978-93-93881-03-8

#### **Education and Culture in** North-East India

First Edition:

December, 2021

@ editors

Price: 330/-

Cover: Abhijit Bora

#### Published by: **Purbayon Publication**

Jaswanta Road Near Panbazar Aadarsha Prathamik Vidyalaya Panbazar, Guwahati- 1, Assam, India Email-purbayonindia21@gmail.com website: purbayonpublication.com Contact No. +91- 9864422157, 0361-2700969

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# Role of Education in Socio-Economic Development in North-East INDIA with Special Reference to Majuli district

Asstt. Prof., Department of Education,
Majuli College
Ringkumoni Das
Asstt. Prof., Department of Education,
Majuli College

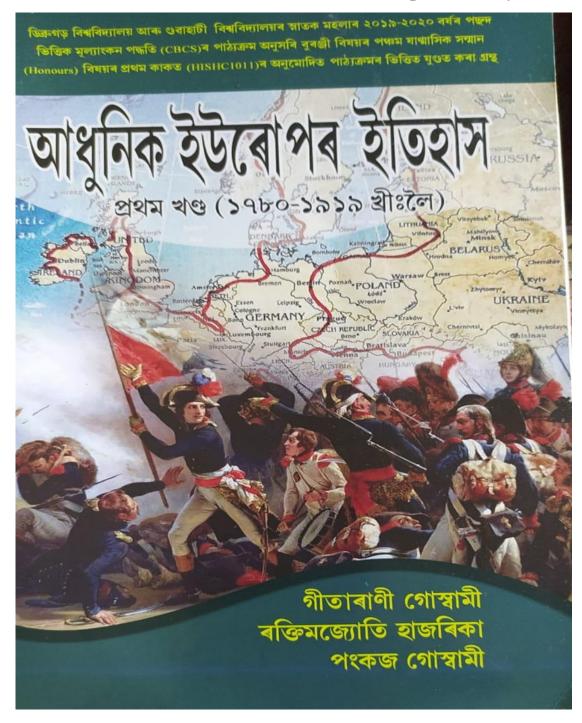
#### Abstract

Education is called as a fundamental key of development of a country. Without education socio-economic development is impossible. Education helps the students to make more creativity and productivity to promote socio-economic development of a country. North-east India is the easternmost region of India representing both of geographical and socio-economic division of the country. But, all kind of education system including higher education in North-East region is basically based on theoretical rather than practical and where the traditional type of teaching method, lack of up to date curriculum, practicing examination system etc. are the main causes of law quality education which is leading an unproductive human resource as well as creating unemployment generation in the region and the affecting the socio-economic development in the region. Therefore, providing QUALITY HIGHER EDUCATION is only the instrument for improvement the socio-economic development in the region and will play a vital role regarding faster development in the north-east re-





#### Gitarani Goswami, Associate Professor Dept. of History







1919): A book on Modern Europe History for three years degree course prepared as per new CBCs syllabus of Dibrugarah & Gauhati University for Honours students written by Gita Rani Goswami, Associate Prof., Deptt. of History, Majuli College; Raktim Jyoti Hazarika, Goswami, Asstt. Prof., Deptt. of History, Jorhat College (Amalgated) & Pankaj and Published by Bidya Bhawan, M.G. Road, Jorhat (Assam)

First edition: January, 2022 Price: Three hundred only/-

প্ৰকাশক আৰু পৰিবেশক ঃ বিদ্যাভৱন এম, জি ৰ'ড, যোৰহাট -১

লেখকত্ৰয়ৰ দ্বাৰা সৰ্বস্বত্ব সংৰক্ষিত

প্রথম প্রকাশ ঃ জানুৱাৰী, ২০২২

মূল্য ঃ ৩০০.০০/- টকা মাত্র

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ISBN: 978-93-91527-15-0

মুদ্ৰণঃ বৰকটকী অফ্ছেট প্ৰিণ্টাৰ্ছ, মালৌ আলি, যোৰহাট

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#### **CHAPTER - 24**

# Centrality Measures in Complex Network Analysis: A Case Study

#### Dimpee Baruah<sup>1</sup> and A. Bharali<sup>2</sup>

Dept of Mathematics, Majuli College, Assam-785106, India Dept of Mathematics, Dibrugarh University, Assam-786004, India Email: dimpeebaruah2005@gmail.com , a.bharali@dibru.ac.in

#### Abstract

Centrality measures play an important role in network analysis. Centrality measures try to capture the notion of importance of nodes in networks by quantifying the ability of a node to communicate directly with other nodes, or its closeness to many other nodes or the number of pairs of nodes which need a specific node as intermediary in their communications. In this work first we discuss some centrality measures and then we compare them by applying the measures on some real network data sets.

Keywords: Centrality measures, Dolphins network, American football network, Airport network of India (ANI).

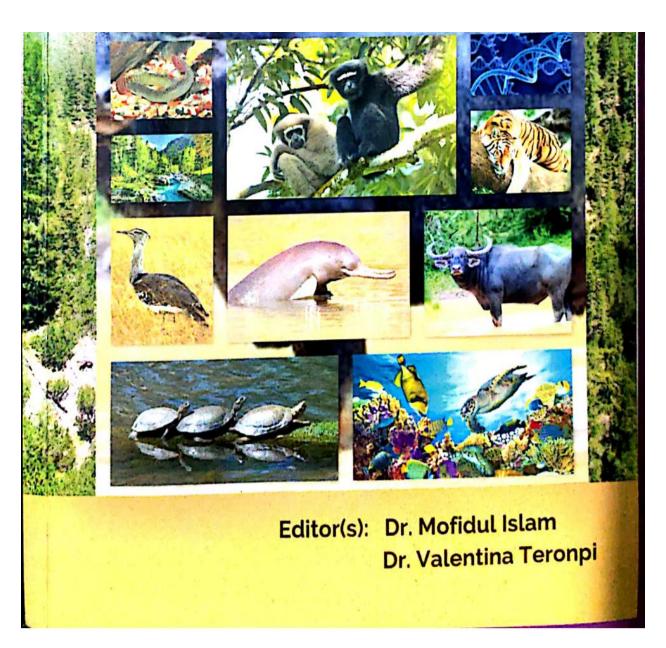
#### INTRODUCTION:

Complex network can be conceptualized as lying at the intersection between





# Indira Bora, Associate Professor Dept. of Botany Dr. Juli Gogoi, Assistant Professor Dept. of Botany and Dr. Md. Aminul Islam, Assistant Professor Dept. of Botany



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RECENT TRENDS IN BIOLOGICAL RESEARCH: A compilation of articles base on biological researches from various writers, Edited by Dr. Mofidul Islam & Dr. Valentina Teronpi, Department of Zoology, PDUA Mahavidyalaya, Behali, Biswanath, Assam, India and published by AM Publication, Guwahati - 781005, Assam.

ISBN:978-9393114-00-6

Published: 2022

#### Published by: AM Publication

Guwahati - 781005

Website: www.ondemandbooks.in

Editor(s): Dr. M. Islam and Dr. V. Teronpi

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## AMELIORATION OF ACID MINE DRAINAGE EFFECT ON SEEDLINGS OF Sesbania rostrata

Juli Gogoi<sup>1\*</sup>, H.P. Dekaboruah<sup>2#</sup>, Md. Aminul Islam<sup>1</sup> and Indira Borah<sup>1</sup>

Department of Botany, Majuli College, Kamalabari, Majuli - 785106, Assam, India
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\*Corresponding e-mail address: juliegogoip@gmail.com

#### Abstract

Acid mine drainage (AMD) is the most significant environmental problem associated with coal mining industry. The main cause of AMD is the occurrence of pyrite and sulphide mineral. AMD causes serious environmental change in the collieries of North-eastern region of India. Our experimental site (colliery) was Tirap colliery mining site of Tinsukia district, Assam. In this investigation, we studied the growth and germination rate of a metal stress tolerant leguminous plant Sesbania rostrata. Further we co-inoculated the seedling with two growths promoting rhizobacteria and investigated amelioration effect. It was evident





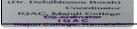
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Prasanta Saikia Assistant Profesor, Dept. of Geography

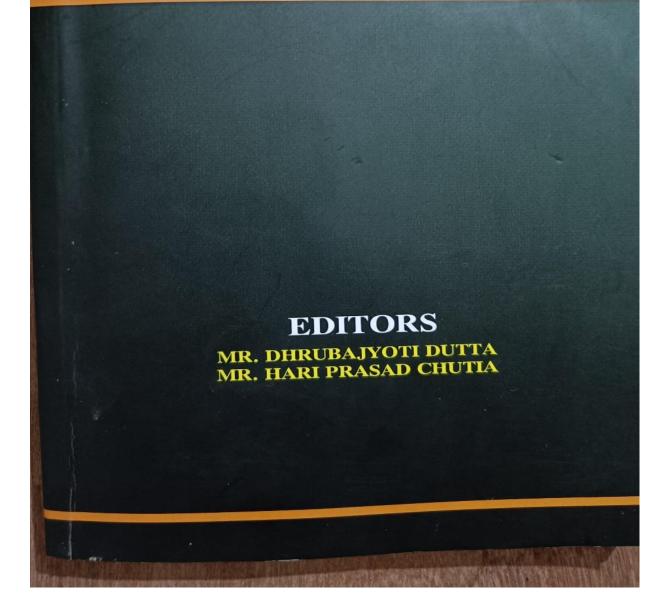
and Debajyoti Khataniar, Assistant Profesor, Dept. of History

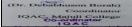






#### TOURISM IN NORTH EAST INDIA PROSPECTS AND CHALLENGES









TOURISM IN NORTH EAST INDIA: PROSPECTS AND CHALLENGES: A Collection of Seminar Papers edited by Mr. Dhrubajyoti Dutta (ASS) Professor, Deptt. of History, Harhi college) and Mr. Hari Prasad Chutia (ASS) Professor, Deptt. of Political Science, Harhi College) and Published by Mr. Horizon, North Lakhimpur

First Published: March, 2022

ADVISOR

DR. TA Associa Univer DR. K Asstt.

Asstt. DR. I

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DTP, Layout & Cover Design

Indra Saikia

M/s Horizon, N. Lakhimpur

Contact:7002069430

ISBN: 9789393820754

Printed & Published: Vasha Prakashan

Chandmari, Guwahati-03

**Disclaimer:** The authors are solely resposible for the contents of the papers compiled in this volume. The publisher or editors do not take any responsibility for the for the same in any manner. Erroors, if any, are purely unintentional and readers are requested to communicate such errors to the editors or publisher to avoid discrepanicies in future.

Price: Rs. 500.00





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# PROSPECTS OF TEA TOURISM IN ASSAM

■ Dr. Erani Mohan
Asstt. Prof.,
Deptt. of Sociology,
Majuli College

#### ABSTRACT:

Tourism is one of the largest prospects sector to grow different opportunities in India. Tea tourism is closely related to the concept of green tourism. It is a part of green revolution in India. The tea cultivation had taken a leading role in crop cultivation in India. India is famous for second biggest foreign earner of tea cultivation. The tea cultivation of Assam is a way of chances to develop tourism sector. The tea tourism takes dual role in marketing system as well as job opportunity in Assam. Tea tourism is a part of opportunities to engage people economic empowerment and independence. The tea cultivation encourages

Tourism in North East India: Prospects and Challenges







Rural Tourism in North-East India with Special Reference to Majuli District's

#### SATRAS

Its prospect and Challenges

Asstt. Prof. Majuli College,
Deptt. of Education
Bijoy Timung, Asstt. Prof.
Majuli College, Deptt. of Education

#### ABSTRACT:

Rural tourism is like a sustainable development. Rural tourism signify the rural area including small tourist place, small settlement, low population densities, economic and traditional society. This paper identifies the available tourist attraction facilities in Majuli district with especial reference to Monastric Satra. Majuli is the cultural heartbeat so over a trip to this quirky place, which happens to be the largest river island in the wolrd, visit satras to see the iconic Assamese play, drama and dance forms. It's analyzed the role of rural tourism for the development of rural areas in the regions with different kinds

Tourism in North East India: Prospects and Challenges





# prospects of Eco-Tourism in Majuli

■ Prasanta Saikia
Asstt. Prof., Deptt. of Geography,
■ Debojyoti Khataniar
Asstt. Prof., Deptt. of History
Majuli College

#### ABTRACT:-

When we think of Assam, gateway to the land of seven sisters., the first thing that come to mind is the majestic horizon of river Brahmaputra; in the heart of which lies the world's biggest river island, Majuli. Being so rich in art and its cultural heritage, this magnificent isle has lot to offer to the world Tourism industry. This cultural capital of Assam has massive scope for exercising beneficial eco-tourism successfully. Majuli is the glory and colorful jewel of the mighty Brahmaputra. This island is the one of the richest Bio-diversity areas of the northeast India. Majuli is very rich in wild plant and animal resources and of course there is a tremendous diversity in the uses of these flora and fauna. In majuli about 331 numbers of flora and more than 400 numbers fauna species are found and most of flora species have medicinal value also.

Tourism in North East India: Prospects and Challenges





# The Pandemic and its Impact on ASSAM TOURISM

Anamika Adhikari
Asstt. Prof.
Deptt. of Pol. Science
Majuli College

#### ABTRACT:

uliZe

Tourism is the activities of people travelling to and staying in places outside their usual environment for leisure, business or other purposes for not more than one consecutive year. North-East India is a paradise for tourists. Its enchanting hills, dancing rivers, roaring waterfalls, thick and dark forests, heavy rains during monsoon, innumerable varieties of flora and fauna, countless species of wild animals and plants, mysterious clouds, melodious folk music, thrilling dances and festivals, variety of many delicious dishes, handlooms and handicrafts, and above all its green landscape used to attract people from one of the constituent states of the region, an embodiment of the natural beauty and grace, a true representative of the region,

Tourism in North East India: Prospects and Challenges







### ECOTOURISM IN ASSAM: AN ANALYSIS OF PROSPECTS AND CHALLENGES OF Kaziranga National Park

■ Priyambee Swargiary
■ Dinesh Pegu
Asstt. Prof.
Ujani Majuli Kherkatia College

#### ABSTRACT:

In the context of globally growing sector like tourism, Assam with both physical and human diversities is one of the most promising states of the country in respect of tourism promotion. Assam has an immense natural resources and great potentialities for ecotourism destination. Ecotourism is a new form of tourism based on the idea of sustainability. It is a preserving travel to natural areas by not disturbing the integrity of the ecosystem. It is a conservation tool and a community based tourism strategy. Among the ecotourism destination, Kaziranga National Park enjoys special status since it is endowed with a large number of bio-spots or natural ecosystem where there is immense potential for ecotourism to flourish. It is currently recognized as the fastest growing segment of the

Tourism in North East India: Prospects and Challenges





#### Dr. Md. AmiulIsalam, Assistant Profesor, Dept. of Botany

16

#### Recent Advances and Applicability of GBS, GWAS, and GS in Oilseed Crops

Sanskriti Vats<sup>1,3</sup>, Yogesh Sharma<sup>1</sup>, Virender Kumar<sup>1</sup>, Rushil Mandlik<sup>1</sup>, Surbhi Kumawat<sup>1</sup>, Himanshu Yadav<sup>1</sup>, Pallavi Dhiman<sup>1</sup>, Vandana Thakral<sup>1</sup>, Md Aminul Islam<sup>2</sup>, and Sreeja Sudhakaran<sup>1</sup>

#### 16.1 Introduction

In the current scenario, society is heading to a greater reliance on agriculture to fulfill food, fuel, and raw material demand. India is one of the major consumers of oils and has the world's fourth-largest vegetable oil economy. The oilseed crops also contribute largely to the agricultural economy, next only to cereals within the segment of field crops. Not only economics but oilseeds are also better for evolving the human ethos of food and environmental security. For example, most oilseed crops can be grown in very wet areas, such as swamps and rainforests. The climatic diversity in India favors cultivation of nine oilseed crops. The fatty acid composition in oil seeds determines nutritional or industrial end usevalue of the crop. Camelina and linseed oils, for example, are high in linolenic acid; sunflower oil has very high-oleic acid in addition to high linoleic acids; and Brassica napus cultivars include a wide range of oil types, including high-erucic acid and high-oleic acid. In addition, vegetable oils have advantageous minor nutrients like tocopherols. Oilseed rape extract, on the other hand, also has a lot of antinutritive fiber components like glucosinolates, phenolic acids, and phytate. Thus, current oilseed breeding projects attempt to increase oil content, quality, and yield, while lowering antinutritive components while maintaining traditional breeding objectives like biotic and abiotic tolerance.

With the rapid adoption of next-generation sequencing technology, genomics-assisted breeding has eased trait discovery, accurate association mapping, and linkage analysis (Bhat et al. 2018; Chaudhary et al. 2019a, 2019b). Reference-based genotyping-by-sequencing (GBS) approaches have contributed to the characterization of allelic variation in agronomic important genes and their concomitant incorporation in germplasm for cultivar development (André et al. 2017). Modern genomic-assisted breeding products like Tifguard HighO/L groundnut (high-oleic acid content and nematode resistance) have already shown

Genotyping by Sequencing for Crop Improvement, First Edition.

Edited by Humira Sonah, Vinod Goyal, S.M. Shivaraj, and Rupesh K. Deshmukh.

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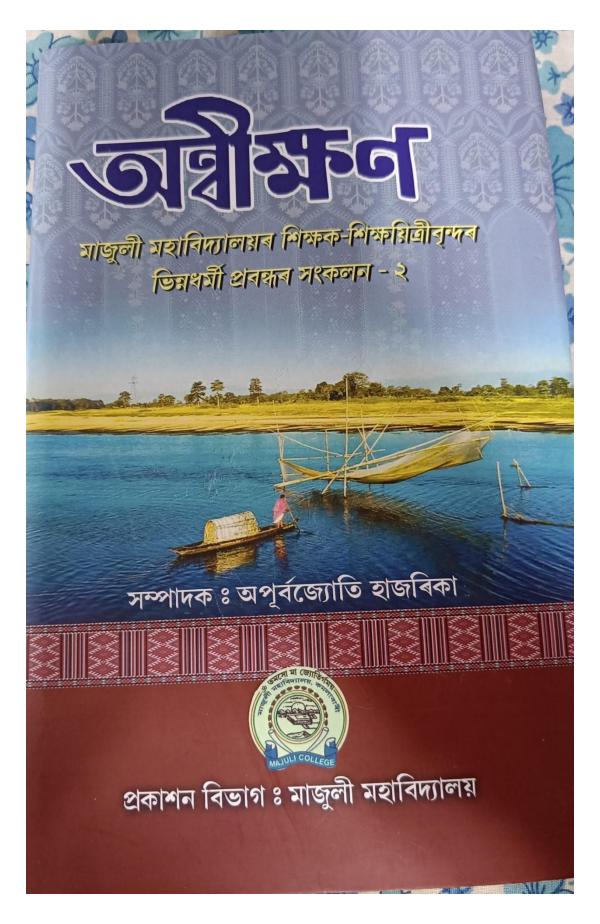
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- নদীদ্বীপ মাজুলীৰ পৰস্পৰাগত খাদ্যাভ্যাস ঃ এক পৰ্যালোচনা /১৫ ড° ব্ৰজেন চন্দ্ৰ নেওগ
  - অসমীয়া লোক-বিশ্বাসত জনগোষ্ঠীয় প্ৰভাৱ / ২৯ অমৃতেশ্বৰ চুতীয়া
- কার্বি আংলং আৰু কার্বি যুৱ মহোৎসৱ /৪১ বিজয় টিমুং
- উপন্যাসত সত্ৰীয়া উদাসীন জীৱনৰ প্ৰতিফলন ঃ আতৈ উপন্যাসৰ বিশেষ উল্লেখনসহ /৫০ ড° দুলাল হাজৰিকা

#### সমাজ-ইতিহাস-ঐতিহ্য-শিক্ষা

- অসমৰ 'পৃথি-সম্পদ' আৰু মাজুলী সত্ৰ /৬৫
  ড° দেৱজিৎ শইকীয়া
- ু সাংস্কৃতিক পশ্চাৎবৰ্তিতাৰ প্ৰাসংগিকতা /৭৩ ড° ইৰাণী মহন
  - মাজুলী মহাবিদ্যালয় গ্রন্থাগাৰ ঃ এক অৱলোকন /৭৯
    প্রদীপ চন্দ্র দাস





#### নদীদ্বীপ মাজুলীৰ প্ৰস্পৰাগত খাদ্যাভ্যাস ঃ এক পৰ্যালোচনা

ড° ব্রজেন চন্দ্র নেওগ

অৱতৰণিকা ঃ

ভাৰতবৰ্ষৰ উত্তৰ-পূৰ্বাঞ্চলৰ প্ৰাণকেন্দ্ৰ অসমৰ সত্ৰীয়া সংস্কৃতিৰ বৰঘৰ মাজুলী। বৰলুইতৰ বুকুৰ মাজত অৱস্থিত বিশ্বৰ বৃহৎ জনবসতিপূৰ্ণ নদীদ্বীপ হ'ল মাজুলী। সত্ৰীয়া সংস্কৃতিৰ ধ্বজা বহন কৰা মাজুলী হ'ল মহাপুৰুষ শ্ৰীমন্ত শংকৰ-মাধৱৰ মহামিলনৰ মণিকাঞ্চন সংযোগ স্থল, দেশী-বিদেশী পৰ্যটকৰ অন্যতম আকৰ্ষণৰ থলী বাৰেবৰণীয়া কৃষ্টি-সংস্কৃতিৰ প্ৰাণকেন্দ্ৰ। নানা জনগোষ্ঠীৰ অন্যতম আকৰ্ষণৰ থলী বাৰেবৰণীয়া কৃষ্টি-সংস্কৃতিৰ প্ৰাণকেন্দ্ৰ। নানা জনগোষ্ঠীৰ মিলনভূমি। পূৰ্বৰ অবিভক্ত শিৱসাগৰ জিলাৰ অন্তৰ্গত ভাৰতৰ দীৰ্ঘতম নদী বিশাল ব্ৰহ্মপুত্ৰ আৰু অপসাৰিত খেৰকটীয়া সুঁতিৰ মাজত প্ৰাকৃতিকভাৱে পৰিবেন্থিত হৈ থকা ভালেমান সৰু-সৰু সমষ্টিৰ দুৱাৰ বা উৰ্বৰ ভূমিৰ অঞ্চলেই পৰিবেন্থিত হৈ থকা ভালেমান সৰু-সৰু সমষ্টিৰ দুৱাৰ বা উৰ্বৰ ভূমিৰ অঞ্চলেই হৈছে মাজুলী নদীদ্বীপ বা বৰ্তমানৰ মাজুলী জিলা।









# Women in Democracy: Political Participation of Women in Assam

#### Anamika Adhikari

#### Introduction

When we talk about women in politics, it simply defines political participation of women. Political participation means not only exercising the right to vote, but also active involvement in the decision-making process at all the levels of governance. The International Encyclopaedia of Social Sciences defines political participation as the principal means by which consent is granted or withdrawn in a democracy and rulers are made accountable to the ruled. It signifies proceedings like voting, seeking information, discussing and proselytizing, attending





# Geographic Information System and Remote Sensing: An Approach to Sustainable Environment

Acharjya Mohan Das

#### Introduction

India is a vastly diverse land with different terrains and cultures dominating the different landscapes. This needs to reflect in policy, planning and implementation. It is the absence of proper regional-level planning that is perpetuating the backwardness in areas like North-East. The various State universities and Educational Board is setting to introduce SWADESH ADHYAYAN or Environmental Studies as new core subject in higher studies to enhance the Geo-informatical





#### Use of Agrochemicals in Tea Industries of Assam — Its Impact on Environment and Its Management

#### Dr. Jaya Kalita Gogoi

#### 1. Introduction

Tea industry occupies an important place and it has contributed substantially to the economy of Assam. There are 765 tea Estates in Assam and more than 100,000 smaller gardens that together produce 570 million kilos of tea annually, more than half the tea consumed by India and 13 percent of global tea production. About 17 percent of the workers of Assam are engaged in the tea industry. Tea industry in Assam is about 170 years old. Assam Tea has maintained its international reputation and commands significant share in the world Tea Market. Assam experiences heavy rainfall and humid atmospheric conditions throughout the year. This topography forms one of the richest biodiversity zones in the world and is home to some of the endangered species of flora and fauna. The valley is fertile and offers rich loamy soil to the region, creating the perfect

অস্বীক্ষণ/১৭১





# Bio-Diversity, Eco-Tourism and Majuli

#### Prasanta Saikia

Majuli, the largest fresh water inhabited river island in the world has an incomparable location. Majuli is the glory and colorful jewel of the mighty river Brahmaputra. The area lies between 26° 45′ N to 27° 12′ N Latitude and 93° 39′ E to 94° 35′ E longitude. The total area of the island is 1256 sq. Km. According to 2011 Census report, it has a population of 1,67304 consisting of 85,566 males and 32,236 females, and sex ratio being 955. Where literacy rate is 78.56%. The male literacy rate is 74.76% and the female literacy rate is 61.34%. This island is the one of the richest Bio-diversity areas of the north-east India. Majuli is very rich in wild plant and animal resources and of course there is a tremendous diversity in the uses of these flora and fauna. The unique features of rich bio-

অञ्चीक्षन/১৫৯





## Aloe vera The Gift of Nature

Dr. Juli Gogoi

#### Introduction

Aloe vera is a species of Aloe that is particularly popular for its medicinal properties. The name Aloe vera derives from the Arabic word "Alloeh" meaning shining bitter substance, while Vera in Latin means true. 2000 years ago, the Greek scientists regarded Aloe vera as the universal panacea. The Egyptians called Aloe "the plant of immortality." Today, the Aloe vera plant has been used for various purposes in dermatology (Itrat and Zarnigar, 2013). A. vera has been used in folk medicine for many years and has remained an important component in the traditional medicine of many contemporary cultures, such as China, India, the West Indies, and Japan (Foster M et al., 2011).





#### Plant-Insect Interactions

Dr. Pollobi Duara

INTRODUCTION: The Greatest service rendered to mankind by insects is the pollination of flowers which otherwise will not set fruits or seeds. The act of pollination is the most important and essential phenomenon of plant by which sexual reproduction is possible. The process of transportation of pollens from stamens to the ovary in the same flower or from one flower to another in the same species is called pollination. The cross pollination is mostly preferred by plants because it reduces the genetic deformity and produces more resistant variety of offspring in the next generation (Berenbaum 1995). In Pollination insects contribute 85%, (Reddi & Reddi 1984); self pollination contributes 5% and air and water contribute only 10%. The various insects that help in pollination are - bees, butterflies (Wilson 1999). There may be herbivores and nectar thieves

অন্ত্ৰীক্ষণ/১৩৯





#### জৈৱ-বৈচিত্ৰ্যৰ ধুনীয়া ধৰণী মাজুলী

#### বসন্ত বৰা

পৃথিৱীখন বৰ সুন্দৰ। অনিত্য সুন্দৰ ইয়াৰ পৰিক্ৰমা। পৃথিৱী জীৱৰ আবাস। জীৱ বিশেষে লক্ষণ, ধৰ্ম, কৰ্ম আৰু অভিযোজনাৰ পৃথকতা, যিবোৰ উত্তৰাধিকাৰ সুত্ৰে সিংহভাগেই প্ৰাপ্ত, ন্যূনতমভাগহে পৰিৱেশ পৰিস্থিতিৰ পৰা আয়ত্ত কৰা। এনেধৰণৰ পৰিক্ৰমাই জৈৱ-বৈচিত্ৰ্য।

জৈৱ-বৈচিত্ৰ্যৰ ক্ষেত্ৰত মাজুলীৰ আছে সুকীয়া স্থান। মাজুলীখন নিজেও যেন এক বৈচিত্ৰ্যময় পৃথিৱীৰ মানচিত্ৰৰ অনন্য সন্তা। মাজুলীৰ জৈৱ-বৈচিত্ৰ্যৰ বাবেই বাংসৰিকভাবে ভিন্ন সময়ৰ লগত তাল মিলাই আগমন ঘটে বহুতো পশু-পক্ষীৰ। প্ৰকৃতিৰ জীৱসমূহৰ অন্যতম মানৱ সমাজৰো চাৰিত্ৰিক বৈশিষ্ট্য আৰু কৰ্ম, জৈৱ-বৈচিত্ৰ্য আওতাৰ ভিতৰত। সেই বাবেই চাগৈ মাজুলীবাসীৰ কৰ্ম-পৰিক্ৰমা, সংস্কৃতিচৰ্চা, সামাজিক মৰ্যাদা অন্য প্ৰান্তৰ তুলনাত পৃথক।

মাজুলীৰ জৈৱ-বৈচিত্ৰ্য বুলি ক'লে সাধাৰণতে মনলৈ আহে মাজুলীত ভিন্ন পৰিৱেশত থকা পক্ষীকূল, উদ্ভিদসমূহ, বৃহৎ বৃক্ষৰ পৰা মাটিতে বিলীন হৈ

অশ্বীক্ষণ/১২১







#### On Rape

Dr. Debabhuson Borah

Rape, undoubtedly, is a crotchety flap and motives behind it are apparently scruffy and feral. History tells us that this brutish act has also been exercised in different parts of the world as an ideological apparatus to continue genocide and in persecuting natives of the 'enemy' states. It is, however, not a friable phenomenon. Patriarchy, and the predatory mechanisms to discriminate, dominate and exploit women are some crucial seepages in the context.

The maxim of desire, as outlined by French psychoanalyst Jacques Lacan (1901--1981), may be tangible to understand psychological ramifications of rape. Lacan opined that man's desire is the desire of the Other. It is, on one hand, a desire for recognition. Simultaneously, what one experiences as his or her own desire, to a certain extent, is the other's desire—the other that he or she desires recognition from. The othering of female in the male-female binary, apart from the biological differences, is largely a construct of patriarchy. The

অধীক্ষণ/১১৭





#### Professional Ethics and Accountability: Role of Teacher in Higher Education

Pronita Rajkhowa

#### INTRODUCTION:

The teacher is a very important stakeholder of the society. Teacher education can in simple terms be described as the education received by a teacher before joining the profession. It is the transformation process of a lay man into a professional teacher. Modern education aims at education of the whole person. So every teacher should have a deep knowledge and understanding of children and skills to apply that knowledge and understanding. Area of teacher's accountability in every profession has a set of ethics principles, guidance, responsibilities and norms to guide the conduct and behaviour of its profession. To achieve the optimal learning of

অশ্বীক্ষণ/১০৯





#### (Re)Introduction of Vernacular Language in Nineteenth Century Assam and the Role of Contemporary Literature

#### Anannya Boruah

#### Introduction:

The long nineteenth century in the Assam history is a significant period of various rebellions and uprisings in the political sphere and the gradual upliftment of the society through the advent of modern education and renaissance among the people. Soon after the company government of Britain took over the charge of the north eastern region of their Indian provinces they tried different means to administer the region so that it functions smoothly. At that time, the social and the political situation was weakened by the Moamariya rebellion and the Burmese invasion. The modern form of education was yet to be developed in the province and only a few people were aware of the education and government services. This group of people educated in western models of schools and colleges were





#### সাংস্কৃতিক পশ্চাৎবৰ্তিতাৰ প্ৰাসংগিকতা

#### ড° ইৰাণী মহন

সাংস্কৃতিক পশ্চাৎবর্তিতা হ'ল সংস্কৃতি অধ্যয়নৰ এক গুৰুত্বপূর্ণ অংশ। এই সংস্কৃতি অধ্যয়নৰ দিশ বিভিন্ন বিষয় যেনে — সমাজতত্ত্ব, নৃতত্ত্ব, সংস্কৃতি অধ্যয়ন, নাৰী অধ্যয়ন, লিংগ অধ্যয়ন ইত্যাদিত পৰিলক্ষিত হয়। এই অধ্যয়ন ক্ষেত্রসমূহৰ জৰিয়তে সংস্কৃতিৰ প্রয়োজনীয়তা কেনেধৰণৰ সেই বিষয়ে জনাত সহায় হয়। সাংস্কৃতিক পশ্চাৎবর্তিতাৰ ইংৰাজী অর্থ হ'ল 'Cultural Lag'। সাংস্কৃতিক পশ্চাৎবর্তিতা বিষয়টোৱে সমাজত সংস্কৃতিৰ বাহ্যিক আৰু অভ্যন্তৰীণ দিশৰ মাজত কেনেধৰণৰ পার্থক্য আছে, ইয়াৰ উৎস আৰু ইয়াৰ কার্যপ্রণালী কেনেধৰণৰ সেই সম্পর্কে জনাত সহায়ক হয়। অর্থাৎ সংস্কৃতিৰ বাহ্যিক আৰু অভ্যন্তৰীণ দিশৰ কার্যসমূহ একে নহয়। সমাজতেদে সংস্কৃতিৰ বাহ্যিক আৰু অভ্যন্তৰীণ দিশৰ কার্যসমূহ একে নহয়। সমাজতেদে সংস্কৃতিৰ বাহ্যিক আৰু অভ্যন্তৰীণ দিশৰ কার্যসমূহ একে নহয়। সমাজতেদে সংস্কৃতিৰ বাহ্যিক আৰু অভ্যন্তৰীণ দিশৰ কার্যসমূহ জনাটো খুবেই দৰকাৰ।

সংস্কৃতি সম্পর্কে প্রথমে এডৱার্ড বি. টেইলৰ - এ তেওঁৰ বিখ্যাত গ্রন্থ Primitive Cultureত ব্যৱহাৰ কৰিছিল। তেওঁৰ মতে —

Culture or civilization, taken in its wide ethnographic sense, is that complex whole which includes





#### উপন্যাসত সত্ৰীয়া উদাসীন জীৱনৰ প্ৰতিফলন ঃ আতৈ উপন্যাসৰ বিশেষ উল্লেখনসহ

#### দুলাল হাজৰিকা

আধুনিক সাহিত্যৰ এটা অন্যতম ভাগ হ'ল উপন্যাস। দীঘলীয়া কাহিনীৰ ৰূপত মানৱ জীৱনৰ কলাত্মক আৰু বাস্তৱধৰ্মী উপস্থাপনকে উপন্যাস বুলি ক'ব পাৰি। এই উপস্থাপনত জীৱনৰ সমগ্ৰতা আৰু বিশালতাই কলাৰ মাধ্যমেদি প্ৰকাশ লাভ কৰে। এইবিধ কলাৰ ৰূপায়ণত কেইটামান উপাদানৰ সুসংহত প্ৰয়োগে সহায় কৰে। এই উপাদানকেইটা হৈছে— কাহিনী বা বিষয়বস্তম, চৰিত্ৰ, সংলাপ, পৰিস্থিতি আৰু জীৱন দৰ্শন। এই উপাদান কেইটাৰ যথাযোগ্য প্ৰয়োগে পাঠকক একোখন উপন্যাসৰ প্ৰতি সন্মোহিত কৰি তোলে। গতিকে উপন্যাস এখনৰ শৈল্পিক গুণ প্ৰকাশত বা পাঠকৰ মাজত জনপ্ৰিয়তা বৰ্তাই ৰখাত উপন্যাসৰ প্ৰতিটো উপাদানৰে স্বকীয় ভূমিকা আছে।

পদ্মনাথ গোহাঞি বৰুৱাৰ ভানুমতী আৰু লক্ষ্মীনাথ বেজবৰুৱাৰ পদুম কুঁৱৰীৰ যোগেদি ১৮৯১ চনৰ পৰা অসমীয়া উপন্যাসৰ ইতিহাস আৰম্ভ হোৱাৰে পিছৰে পৰা বৰ্তমানলৈকে ১৩০ বছৰীয়া পৰিক্ৰমাত অসমীয়া উপন্যাসে বৈচিত্ৰ্য আৰু নতুনত্বৰ মাজেদি বৰ্তমানৰ ৰূপ লাভ কৰিছেহি। প্ৰথম অৱস্থাত ঐতিহাসিক

ञत्रीक्ष्ण/৫०





#### কাৰ্বি আংলং আৰু কাৰ্বি যুৱ মহোৎসৱ

#### বিজয় টিমুং

কাৰ্বিসকল প্ৰধানকৈ মধ্য অসমত অৱস্থিত কাৰ্বি আংলং জিলাত বাস কৰি আহিছে। তদুপৰি অসমৰ বিভিন্ন প্ৰান্তত যেনে — গোলাঘাট, নগাওঁ, হোজাই, মৰিগাওঁ, লংকা, লথিমপুৰ, কামৰূপ, শোণিতপুৰ, উত্তৰ-কাছাৰ আদি বসবাস কৰি আছে। অসমৰ বাহিৰেও উত্তৰ পূৰ্বাঞ্চলৰ নাগালেণ্ড, অৰুণাচল, মেঘালয় আদি ৰাজ্যত কাৰ্বি সম্প্ৰদায় লোকসকলে পূৰ্বৰে পৰা বসতি কৰি আছে। অতীজত কাৰ্বিসকলক 'মিকিৰ' নামেৰে জনা গৈছিল আৰু তেওঁলোকে বসবাস কৰা ভূমিখণ্ড মিকিৰ পাহাৰ নামেৰে পৰিচিত আছিল। কিন্তু বৰ্তমান মিকিৰ পাহাৰ নামৰ ঠাইত 'কাৰ্বি আংলং' জিলা হিচাপে স্বীকৃতি লাভ কৰিছে আৰু সম্প্ৰতি 'কাৰ্বি আংলং' নামেৰে জনাজাত। মাটিকালি হিচাপে ১০,৪৩১ বৰ্গ কি.মি। সৰ্বমুঠ গাওঁ ২,৯২১। জিলাখনৰ বৰ্তমান শিক্ষিত হাৰ হ'ল ৬৯.২৫ শতাংশ। মুঠ বিধান সভাৰ সদস্য সংখ্যা ৪ আৰু মুঠ বিধান সভাৰ সদস্য সংখ্যা ১। কাৰ্বি আংলং জিলাখন বৰ্তমান দুটা ভাগত বিভক্ত কৰা হ'ল ত—এখন জিলা





# Fish and Its Importance in Human Diet

Dr. Arup Bura Gohain

#### Introduction:

The World's most devastating problems are hunger and malnutrition. To overcome malnutrition, food security is the only way in any country in the world and the whole world is working tirelessly towards eradication of malnutrition, food insecurity and hunger. In the present scenario, under-developed countries and developing countries such as India, where a majority of its population is economically weak, spend high share of income for food.

Fishes play a significant and a vital role contributing to the survival and health of a majority of world's population. Fish can play a challenging role in satisfying the palates of the world's growing middle income group and in meeting the food security needs of the poor. By 2050, the expected global





# Covid-19: A Pandemic of Mental Health

Dr. Leema Dutta

It was the middle of the December, 2019, when a few people from Wuhan, China were diagnosed with an unknown severe pneumonia. At the time, nobody realized that this could be the beginning of a pandemic and never-ending woe. Despite modern technologies and developments in medicine, COVID-19 has caused over 4 million deaths worldwide in less than two years. Beyond these tragic losses, the pandemic has initiated severe physical, economic and mental health issues including anxiety, depression, posttraumatic stress disorder (PTSD), and stress-related disorders around the globe.

We can define stress as a feeling of emotional and physical fear which arises due to some circumstances or any incident that threatens our healthy state of mind and body <sup>1</sup>.





#### Contribution of Indians towards Modern Science

#### Madhabi Devi

Our Indian civilization, being one of the oldest civilizations in the world has been contributing to the field of science and technology since ancient times. Starting from the famous mathematician of the Vedic era 'Aryabhata' to Nobel laureate 'C. V. Raman', the advancement of modern science and the history of scientific discoveries are incomplete without the contribution of Indian scholars. Many people have the misconception that Indian sages and peers composed and studied only mythological texts and stories. Contrary to this, Indian peers were actively involved in strengthening the fundamentals of modern science long before scientific laboratories were set up. Historian James Grant Duff once correctly pointed out that 'Many of the advances in the sciences





Dr. Jaya Kalita Gogoi, Assistant Professor, Dept. of Geography

# POLITY, ECONOMY AND CULTURE OF NORTH-EAST INDIA

ISSUES AND CHALLENGES



Chief Editor
Dr. Plabika Neog

#### **Editors**

Dr. Montu Chetia

Dr. Kushal Taid

Dr. Niranjan Thengal





## POLITY, ECONOMY AND CULTURE OF NORTH-EAST INDIA: Issues and Challenges

Dr. Plabika Neog

Dr. Montu Chetia

Dr. Kushal Taid

Dr. Niranjan Thengal

© Editors First Published June 2022 ISBN: 978-93-92108-65-5

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#### Published in India by

#### RUDRA PUBLISHERS & DISTRIBUTORS

C-293A, Street No. 3, West Karawal Nagar, New Delhi - 110094 Cell: 9312442975 E-mail: rudrapublishers@yahoo.com

Printed at Research Press India New Delhi.





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#### Challenges and Measures of Health Tourism in Assam

Dr. Jaya Kalita Gogoi

#### **ABSTRACT**

Health tourism is a form of tourism that consists of patients traveling to other countries to get health treatment or assistance. It comprises all the services associated with tourism like transport, accommodation, and hospitality. Traveling for health and wellness is one of the most important tourist patterns of economic returns generated by the tourism industry, tourist destinations and the health sector. Assam has a scope for the development of traditional health treatment practices. But many challenges obstruct the health tourism to expand in a better way. The strategies for building a successful brand in the health tourism market centre on meeting the needs of the typical international health traveller and most of these strategies require strong public-private collaboration.

**Keywords:** Tourism Hub, Tourism Industry, Healthcare, Tourism Policy, Integrated Approach.

Assistant Professor, Department of Geography, Majuli College, Kamalabari, Assam

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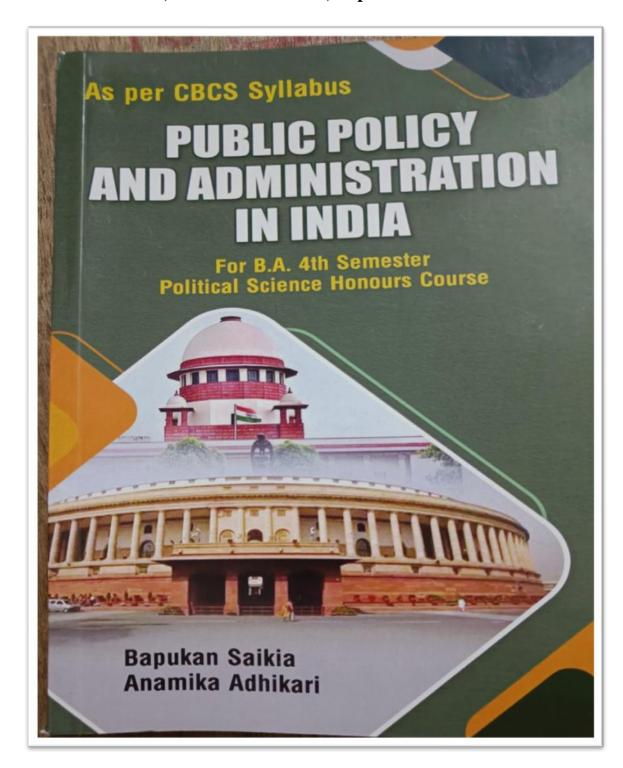
#### Introduction

Health tourism is the travel for the purpose of receiving health care. Health tourism is a unique concept in the travel and





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PUBLIC POLICY AND ADMINISTRATION IN INDIA: A text book on Political Science, for B.A. 4th Semester (Honours) as per CBCS Syllabus of Gauhati University, Dibrugarh University and other Indian Universities written by Bapukan Saikia and Anamika Adhikari and published by Panchajanya Books, Bamunimaidam, Guwahati-781021

First Edition : June, 2022

© Copyright: all rights reserved by Author

ISBN : 978-93-93855-10-7

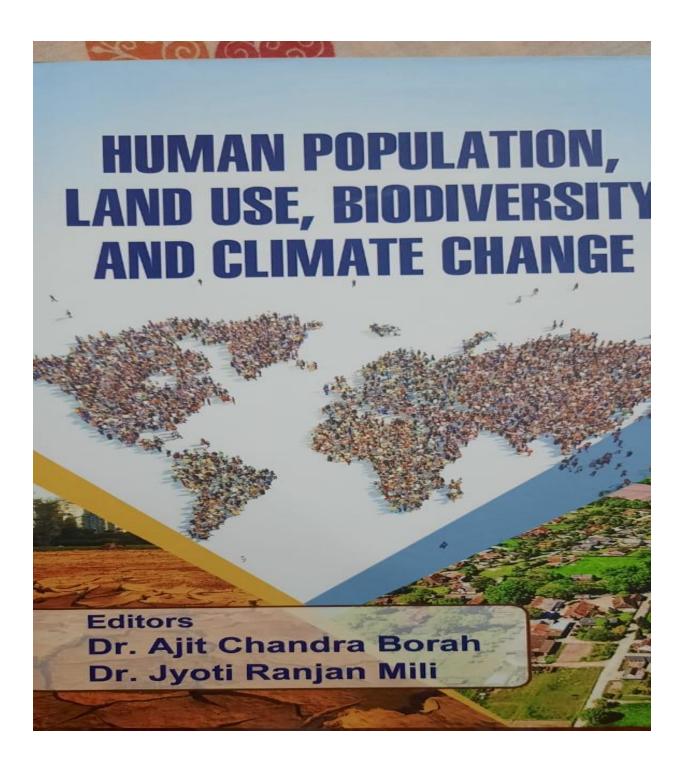
Price : 110/-

Printed at : Panchajanya Printing & Publishing

Bamunimaidam, Guwahati-781021



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Human Population, Land Use, Biodiversity And Climate Change: A collection of articles edited by Dr. Ajit Chandra Borah & Dr. Jyoti Ranjan Mili and published by Purbayon Publication, Panbazar, Guwahati-1, Assam, India

1" Edition: September, 2022 Price: 1000/-

ISBN: 978-93-95103-42-8

#### Human Population, Land Use, Biodiversity And Climate Change

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Cover: Chitralekha

Price: 1000/-

#### Published by: Purbayon Publication

Jaswanta Road

Near Panbazar Aadarsha Prathamik Vidyalaya Panbazar, Guwahati- 1, Assam, India Email-purbayonindia21@gmail.com website: purbayonpublication.com Contact No. +91- 9864422157, 0361-2700969

Printed at: Purbayon Publication Pvt. Ltd.

Panbazar, Guwahati- 1, Assam, India





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# Problems of Small Tea Growers (STGs) to Maintain Sustainable Agriculture: A Sociological Study at Sivasagar District of Assam

Dr Erani Mohan

Assistant Professor, Majuli College, E-mail: eranimohan99@gmail.com, Mobile No. 7002566274

#### Abstract :

Small Tea Growers (STGs) are an integral part of the tea cultivation of Assam. The small tea growers are taking a role in the tea industry, concentrating on homestead tea gardens. The small tea growers are encouraged by the tea industry to fulfilling the target of selling quality tea leaves. The small tea growers help empower the labourers, middlemen and maharis with this tea cultivation. Small tea cultivation is the opportunity for sustainable agriculture practice, empowerment of rural and urban youth, green marketing practice, financial support, rural development and so on. Therefore, it is necessary for a sociological study on small tea growers. This study mainly focuses on the problems of small tea growers to maintain sustainable agriculture activities in the Sivasagar district of Assam. This study was conducted to know the problems of small tea growers from a sociological point of view. The small tea growers contribute a





Dr. Md. Aminul Islam, Assistant Professor, Dept. of Botany

Shabir Hussain Wani Najeeb ul Rehman Sofi Muhammad Ashraf Bhat Feng Lin *Editors* 

# Soybean Improvement

Physiological, Molecular and Genetic Perspectives







#### Chapter 1 Soybean: A Key Player for Global Food **Security**



Rahul Dilawari, Navneet Kaur, Nitesh Priyadarshi, Ish Prakash, Anupam Patra, Sahil Mehta, Baljinder Singh, Prateek Jain, and Md Aminul Islam

**Abstract** Currently, soybean (Glycine max (L.) Merrill), a Leguminosae family member, has become one of the main economical oilseed beans. It is being cultivated nowadays in all major areas of the world including China, Japan, Brazil, the USA, and Korea as well as in many South and Midwest countries for several uses. The reason lies in the introduction of multiple local varieties, efficient seed supply, and timely technology transfer, participation of the public sector as well as large international capital groups, and large-scale introduction of new soy foods. It is

Authors "Rahul Dilawari", "Navneet Kaur", and "Nitesh Priyadarshi" have equally contributed to this chapter.

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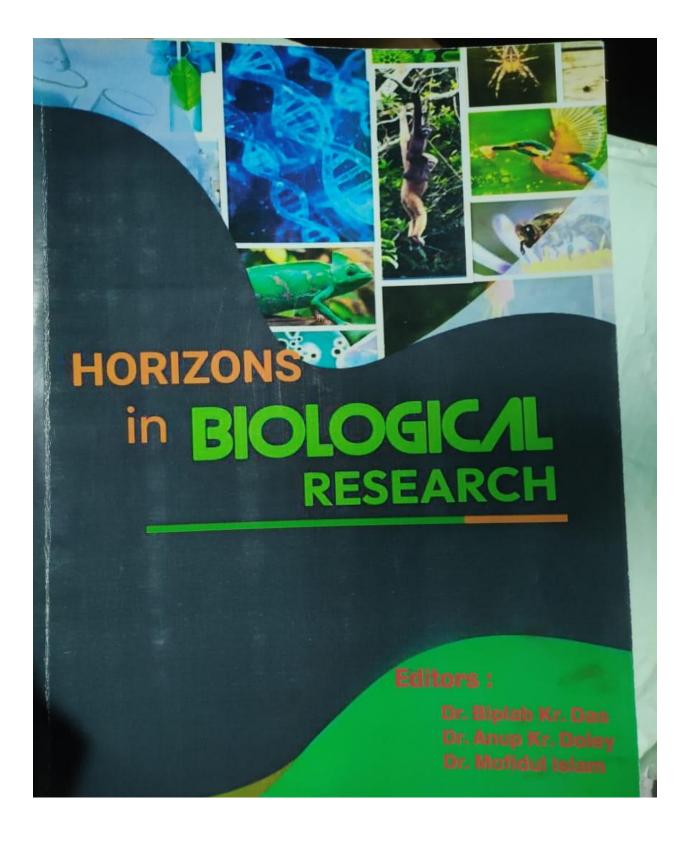
e-mail: aminul.islam102@gmail.com

© The Author(s), under exclusive license to Springer Nature Switzerland AG 2022 S. H. Wani et al. (eds.), Soybean Improvement, https://doi.org/10.1007/978-3-031-12232-3\_1





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#### HORIZONS IN BIOLOGICAL RESEARCH: A compilation of articles

based on biological researches from various authors; edited by Dr. Biplab Kumar Das, Dr. Anup Kumar Doley and Dr. Mofidul Islam and published by ARB Publications, Guwahati -

#### ISBN - 978-93-82527-51-0

Published on October 2022

Published by: **ARB** Publications

14 Kushal Konwar Path, Last-lane

P. O. - Ambari Fatasil District: Kamrup (Metro)

Guwahati - 781025

Assam, India. Website: arbtechonline.com

Editor(s): Dr. Biplab Kumar Das

Dr. Anup Kumar Doley

Dr. Mofidul Islam

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Cover design: Dr. Mofidul Islam

Printed at: ARB Publications, Guwahati-25, Assam, India.

Price: 750/-





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#### Chapter No-14

Distribution of Asian Woolly-necked Stork Ciconia episcopus in Majuli Island of Assam with observations on its nesting behavior

Dr. Anup Kumar Doleyand Shyamal Saikia

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#### Abstract

Study on the Asian Woolly-necked Stork Ciconia episcopus in Majuli Island of Assam, India. Majuli Island is one of the largest river islands of the world. It is an IBA and BHS. There is no prior study on the species in Majuli and very little study is done in northeast India. We also tried to focus on its distribution across the island and tried to put some light on its nesting behavior. Proper long-term study can be carried out on its ecology and behavior.

Keywords: Nest, Stork, River, Island, Habitat

#### Introduction

The Majuli Island of Brahmaputra River with an area of about is one of the largest river islands of the world situated in Assam, India. It is an Important Bird Area (IBA) and a Biodiversity Heritage Site (BHS) (BirdLife International 2022; Assam State Biodiversity Board 2019).

Asian Woolly-necked Stork Ciconia episcopus, belonging to the Ciconiidae family is a stork species having a glossy black plumage with soft white neck feathers (del Hoyo et. al. 2020). The taxonomy of Woolly-necked Stork is a topic of debate and remains unresolved. Some authorities consider it as one species (C. episcopus) with three subspecies (C. e. episcopus, C. e. microscelis and C. e. neglecta). While others consider it as two separate species: the African Woolly-necked Stork (C. microscelis) and the Asian Woolly-necked Stork (C.

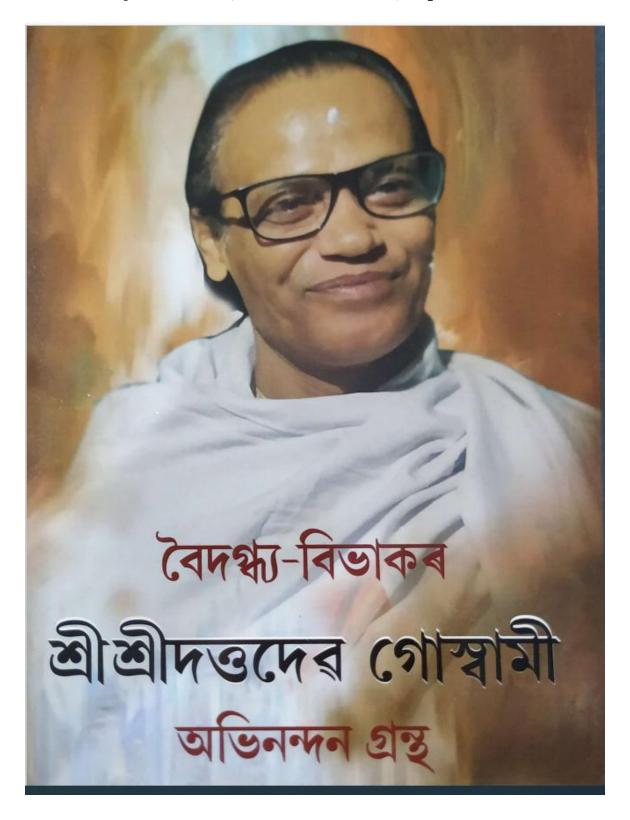








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Dr. Rajen Ch Borah, Associate Professor, Dept. of Economics









#### প্ৰণীতা ৰাজখোৱা

#### সত্ৰাধিকাৰ শ্ৰীশ্ৰী দত্তদেৱ গোস্বামীদেৱৰ নিৱন্ধ ঃ পত্নীপ্ৰসাদ নাটকৰ তত্ত্ববিচাৰ আৰু অন্যান্য এক পৰ্যালোচনা

মাজুলীৰ বুকুত গঢ় লৈ উঠা সত্ৰীয়া সংস্কৃতিৰ মূল ভিত্তি হৈছে মহাপুৰুৰ দুজনাই সৃষ্টি কৰি যোৱা সাংস্কৃতিক মূলধাৰ নামঘৰ আৰু সত্ৰসমূহ। পৰৱতী সময়ত শ্ৰীশ্ৰী শঙ্কৰদেৱ মাধৱদেৱৰ অনুগামী সকলে মাজুলীত ভালেকেইখন সত্ৰ প্ৰজ্ঞিা কৰে। তাৰে ভালেসংখ্যক সত্ৰ বানপানী গড়াখহনীয়াৰ কবলত পৰি জাহ যায় যদিও বাকী থকা সত্ৰসমূহে গুৰুজনাৰ সৃষ্টিৰাজিক বৰ্তাই ৰাখিবলৈ অহোপুৰুষাৰ্ধ কৰি আহিছে। গুৰু দুজনাই সৃষ্টি কৰা সাংস্কৃতিক আৰু বৌদ্ধিক উপাদানসমূহ পৰৱৰ্তী সময়ত সংৰক্ষণ সংবৰ্ধন আৰু প্ৰচাৰৰ ক্ষেত্ৰত সত্ৰ তথা সত্ৰাধিকাৰ সকলে এক গুৰুত্বপূৰ্ণ ভূমিকা পালন কৰি অহা দেখা গৈছে। সমাজত এক শৰণ নামৰ্ম্ম প্ৰচাৰৰ বাবে বৰগীত, ভাওনা, ঘোষা আদিকে ধৰি বিভিন্ন উপাদান সমূহ অক্ষ্য অৱস্থাত ৰখাৰ উপৰিও সেইসমূহৰ তাত্বিক বিশ্লেষণ ভিন্নজনে ভিন্নভাৱে দাৰ্চি ধৰি এক সময়োপযোগী নতুন মাত্ৰা প্ৰদান কৰিবলৈ প্ৰয়াস কৰি আহিছে। শংকৰী আদৰ্শক প্ৰতিষ্ঠা কৰিবৰ বাবে বহুজন পণ্ডিতে কৃচ্ছুসাধন কৰিছে। এইসকলৰ ভিত্তি এখনি মহাপুৰুষীয়া উদাসীন সত্ৰ হ'ল—শ্ৰীশ্ৰী ভোগপুৰ সত্ৰ। এই সত্ৰৰ বৰ্তমানৰ সত্ৰাধিকাৰ শ্ৰীশ্ৰী দন্তদেৱ গোস্বামীদেৱে গুৰুজনাৰ ভালেখিনি ৰচনাক নিৰ্জ

।। বৈদগ্ধ্য-বিভাকৰ শ্ৰীশ্ৰীদত্তদেৱ গোস্বামী অভিনন্দন গ্ৰন্থ।। ১৫২





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# বৈদশ্ব্য-বিভাকৰ শ্ৰীশ্ৰীদত্তদেৱ গোস্বামী অভিনন্দন গ্ৰন্থ

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দূৰভাষঃ ৮০১১৪৩৩০২০

E-mail: barnamala10jrt@gmail.com

ISBN 978-81-926685-4-20





#### ত্বাজ্যে চন্দ্ৰ বৰা মাজুলীৰ ভৌগোলিক সুৰক্ষাত শ্ৰীশ্ৰীভোগপুৰ সত্ৰৰ অধিকাৰ শ্ৰীদত্তদেৱ গোস্বামীৰ ভূমিকা

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মাজুলী হিতৈষী অনেকজন লোকে হাতে কামে মনে প্রাণে মাজুলীখনক মহাবাহু ব্রহ্মপুত্র কৰাল গ্রাসৰ পৰা বচাই ৰাখিবৰ বাবে নিজা নিজা পৰিসৰত অৱদান আগবঢ়াই আহিছে। এই সকল ব্যক্তি মাজুলীৰ বিভিন্ন ৰাজনৈতিক— অৰাজনৈতিক সংগঠনৰ অন্তর্ভুক্ত। আমি জনাত ১৯৫০ চনৰ পৰা মাজুলীত ভয়াবহ ৰূপত গৰাখহনীয়া আৰম্ভ হৈছে। যাৰ ফলত অনেক গাঁও বিশেষকৈ আহতগুৰি আৰু শালমৰা মৌজাৰ অনেক গাঁও মাজুলীৰ পৰা স্থানান্তৰিত হৈ অসমৰ বিভিন্ন প্রান্তত সংস্থাপিত হ'বৰ বাবে বাধ্য হৈছিল। এই গৰাখহনীয়াৰ

।। বৈদন্ধ্য-বিভাকৰ শ্ৰীশ্ৰীদন্তদেৱ গোস্বামী অভিনন্দন গ্ৰন্থ।। ২২৩



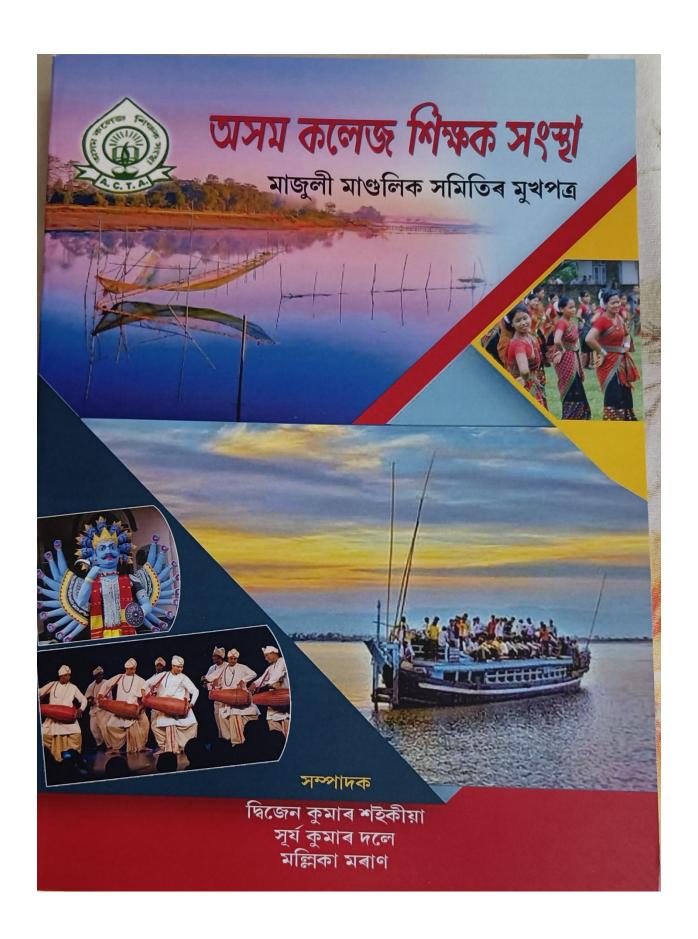


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#### AXOM COLLEGE SHIKSHYAK SANSTHA "Majuli Mandolik Samitir Mukhapatra"

Annual Mouthpiece of Majuli Zone Assam College Teachers' Association (ACTA) Majuli, December 2022

MAJULI MANDOLIK SAMITIR MUKHAPATRA: A collection of articles edited by Dijen Kumar Saikia, Surjya Kumar Doley and Mallika Maran and Published by Majuli Zone (ACTA) & printed at Lipi Offset, Jorhat.

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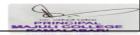
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ড° ৰূপজ্যোতি বৰা

সহযোগী অধ্যাপিকা, অর্থনীতি বিভাগ, মাজুলী মহাবিদ্যালয়

২০১৫ চনৰ ২১ জুন দিনটোত প্ৰথমবাৰৰ বাবে 'আন্তঃৰাষ্ট্ৰীয় দিৱস' হিচাপে পালন হোৱাৰ লগে লগে যোগ সাধনাই এক উচ্চাসন গোটেই বিশ্বতেই দখল কৰিবলৈ সক্ষম হ'ল। এই আপাহতে ৰাষ্ট্ৰসংঘই ঘোষণা কৰিলে "যোগেই মানুহৰ স্বাস্থ্য আৰু কল্যাণৰ ক্ষেত্ৰত এক গুৰুত্বপূৰ্ণ ভূমিকা পালন কৰে। যোগ অনুশীলন সকলো বয়সৰ লোকেই কৰা উচিত।" যোগ হ'ল ব্যক্তিৰ সৰ্বাংগীন বিকাশৰ মাধ্যম, যোগ হৈছে এক প্ৰণালীবদ্ধ অনুশীলন যাৰ জৰিয়তে শৰীৰ আৰু মনক এক উন্নত অৱস্থালৈ উন্নীত কৰিব পৰা যায়। যোগ শাৰীৰিক ব্যায়ামৰ এক প্ৰাচীনতম ৰূপ আৰু যোগ অনুশীলনৰ যোগেদি শক্তি, সামৰ্থ আৰু দৈহিক নমনীয়তা আহৰণ কৰিব পাৰি। যোগ চৰ্চা মানৱ সভ্যতাৰ সমানেই পুৰণি। ভাৰতবৰ্ষতেই প্ৰথম যোগ চৰ্চা হৈছিল বুলি বিভিন্ন প্ৰমাণ পোৱা যায় যদিও পৃথিৱীৰ বিভিন্ন প্ৰান্ততো যোগৰ কিছুমান অংগৰ সাধনা কৰা হৈছিল। ভাৰতবৰ্ষত প্ৰাক্ত বৈদিক যুগ, বৈদিক যুগ, বেদোন্তৰ যুগ, মহাকাব্য যুগ, পতঞ্জলি, পাতঞ্জলোন্তৰ যুগ, হঠযোগ আৰু আধুনিক যুগতো যোগচৰ্চা হৈছিল আৰু বৰ্তমানো হৈ আছে। প্ৰাচীন কালতেই মানুহে নিজৰ মানসিক শান্তি আৰু আধ্যাত্মিক অন্তঃদৰ্শনৰ উন্নতিৰ কাৰণে যোগ অনুশীলন কৰিছিল। ব্যক্তিৰ শাৰীৰিক, মানসিক আৰু আবেগিক সুস্থতাৰ অধিক উৎকৰ্য সাধনৰ লক্ষ্যৰে যোগ বিষয়টো যুগুত কৰা হৈছে। এক প্ৰণালীবদ্ধ আৰু সুন্দৰ জীৱন-যাপনৰ বাবে যোগ সাধনা অত্যন্ত প্ৰয়োজনীয় বিষয়।





#### অসমৰ অৰ্থনৈতিক বুনিয়াদ সৃষ্টিত চাহ উদ্যোগৰ ভূমিকা — এক ঐতিহাসিক বিশ্লেষণ

#### ড° ব্রজেন চন্দ্র নেওগ

সহযোগী অধ্যাপক, অর্থনীতি বিভাগ

#### দেৱজ্যোতি খাটনিয়াৰ

সহকাৰী অধ্যাপক, বুৰঞ্জী বিভাগ, মাজুলী মহাবিদ্যালয়

চাহ উদ্যোগ অসমৰ এক বৃহৎ মাত্ৰাৰ নিয়োগ সৃষ্টিকাৰী উদ্যোগ। ভাৰতবৰ্ষৰ ভিতৰত চাহ উৎপাদনত অসমৰ স্থান প্ৰথম। অসমৰ অৰ্থনীতিত চাহ উদ্যোগে অতি গুৰুত্বপূৰ্ণ স্থান দখল কৰি আছে। অসমে ভাৰতবৰ্ষৰ মুঠ চাহ উৎপাদনত প্ৰায় ৫৪% আৰু উত্তৰ পূৰ্বাঞ্চলত চাহ উৎপাদনৰ প্ৰায় ৯৯% উৎপাদন কৰে। অসমত উৎপাদিত ৭৫% চাহ ৰপ্তানি কৰা হয়। সমগ্ৰ উজনি অসমকে চাহৰ বাগিচা বা অসমক চাহ উপত্যকা বুলি ক'লে ভুল কৰা নহয়। অসমৰ ভূগৰ্ভত যিদৰে কোটি কোটি টকা মূল্যৰ গেছ আৰু খনিজ তেল পোৱা যায়, ঠিক সেইদৰে অসমৰ উপৰিভাগৰ মাটিয়ে কোটি কোটি টকা মূল্যৰ চাহগছ লহপহকৈ বাঢ়ি অহাত সহায় কৰে। পৃথিৱীৰ বৃহত্তৰ আৰু উত্তম পৰিমাণৰ চাহৰ কেন্দ্ৰভূমি বুলি অসমৰ নাম পৃথিৱীত সুপৰিচিত।

১৮১৬ চনত উজনি অসমৰ বনাঞ্চলত ব্ৰুছ চাহাবে চাহগছ আৱিষ্কাৰ কৰে। এই ব্ৰুছ চাহাব অৰ্থাৎ চাৰ্লছ আলেকজেণ্ডাৰ ব্ৰুছক চাহ উদ্যোগৰ পিতৃ বুলিও গণ্য কৰা হয়। ১৮২৬ চনত অসম বৃটিছ সাম্ৰাজ্যৰ অন্তৰ্ভুক্ত হোৱাৰ লগে লগে অসমৰ বুকুত বৈপ্লৱিক পৰিৱৰ্তনৰ সূচনা হয়। অসমৰ অৰ্থনৈতিক, সামাজিক, ৰাজনৈতিক, সাংস্কৃতিক আৰু প্ৰশাসনিক আদি বিভিন্ন দিশত ঐতিহাসিক পৰিৱৰ্তন আহিবলৈ ধৰে। বৃটিছ মূলধনৰ সহায়ত ইংৰাজসকলৰ





#### শ্ৰীশ্ৰী আউনীআটী সত্ৰৰ পালনাম আৰু ইয়াৰ আধ্যাত্মিক তত্ত্ব — এক বিচাৰ

তুলসী ৰাজখোৱা সহকাৰী অধ্যাপক, মাজলী মহাবিদ্যালয়

অসমৰ বৈষণ্ডৱ ধৰ্মীয় পৰম্পৰাৰ লগত সংপৃক্ত হৈ থকা বিভিন্ন প্ৰকাৰৰ নামসমূহৰদ্বাৰা আধ্যাত্মিক তত্ত্বযুক্ত অনুষ্ঠান ভাৰতবৰ্ষৰ অন্য প্ৰান্তত অতি বিৰল। মহাপুৰুষ শ্ৰীমন্ত শংকৰদেৱৰ অমূল্য অৱদানসমূহৰ ভিতৰত এই নাম অনুষ্ঠান অতি অনন্য আৰু ভক্তি তত্ত্বৰে পৰিপূৰ্ণ। শংকৰদেৱৰ সময়ৰপৰা পৰৱৰ্তী সময়ৰ সন্তসকল যেনে মাধৱদেৱ, দামোদৰদেৱ, গোপালদেৱ, গোপাল আতা, হৰিদেৱ আদিয়ে নামসমূহৰ প্ৰচাৰ আৰু প্ৰসাৰ ঘটায়। অসমৰ সত্ৰ আৰু নামঘৰসমূহত ভক্তসকলে উপাসনা তথা মাংগলিক কাৰ্যত যেতিয়া এই নাম পদ্ধতিগত আৰু আনুষ্ঠানিকতা ৰক্ষা কৰি পৰিবেশন কৰে তেতিয়া এই নাম বিভিন্ন নামত পৰিচিত হয় আৰু সাংগীতিক ৰূপ গ্ৰহণ কৰে। নাম যিদৰে ভগৱৎ প্ৰাপ্তিৰ সাধনাৰ মাধ্যম, সি দৰে নাম সমাজ সংগঠক যোগাত্মক সেতু, সুকুমাৰ ৰুচিবোৰ সৃষ্টি কৰা অন্যতম কলা আৰু নৈতিক-আধ্যাত্মিক শিক্ষাৰ মূল বীজৰূপে পৰিগণিত হয়।

শ্ৰী শ্ৰী আউনীআটী সত্ৰৰ ৩৩৩ বছৰীয়া পালনাম এক উচ্চ আধ্যাত্মিক নাম অনুষ্ঠান। সাধাৰণ অৰ্থত পালে পালে এক নিৰ্দিষ্ট সময়লৈকে ভগৱানৰ গুণ–নাম যি প্ৰণালীবদ্ধ ৰীতিৰে গোৱা হয় সেয়ে পালনাম। পুৰাণত বৰ্ণিত বিভিন্ন কাহিনীত পালনামৰ আদি বিচাৰি পোৱা যায়





# Fishery Resources in Majuli: Prospects of Using it as Alterative Sources of Employment

Dr. Rajen Ch. Borah

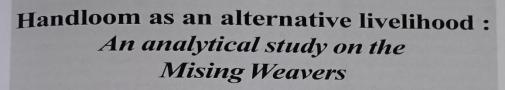
Associate Prof., Deptt. of Economics, Majuli College

#### Introduction:

Fishery sector has been recognised as one of the fastest growing sector in India. It is considered as powerful income and employment generator and it occupies an important place in socio-economic development of the country. It provides food and nutrition to large population of the country besides providing employment and income to more than 28 million people of our country. The sector is recognised as Sun Rise sector depending on its outstanding double digit annual growth of 10.87% since 2014-15. The sector has reached record fish production of 142 lakh tons in financial year 2019-2020. We are really proud that India is







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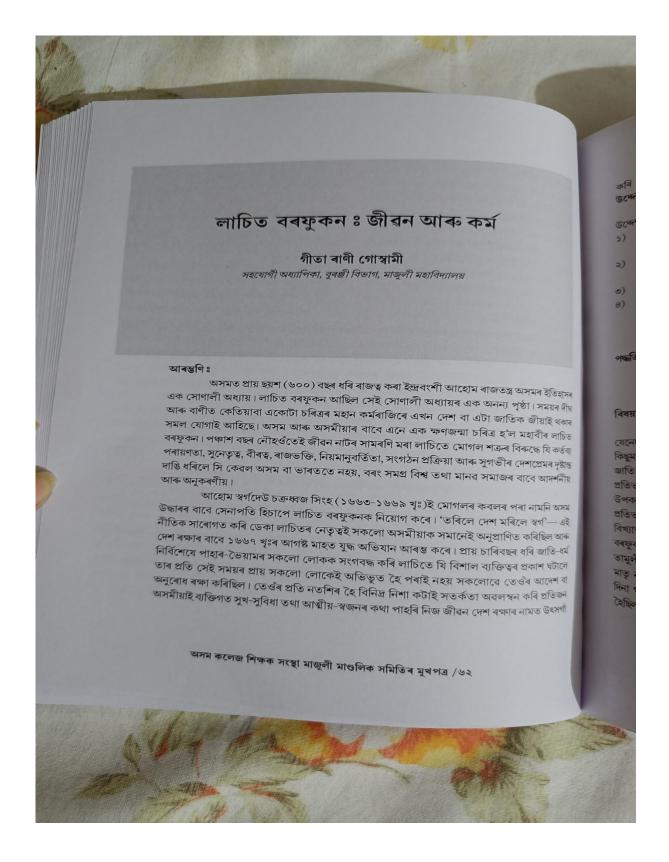
#### Abstract:

Assam's Mising, the indigenous tribal community has a rich tradition of weaving. A Mising woman, despite being engaged in myriad household activities through the day, is likely to spend some time on her loom every day. The women make garments, mainly for everyday use, on handlooms. They also weave classy products for special occasions. But now a day's Mising women weave for business purpose too. The traditional throw shuttle loom is built under the traditional stilt house. Through a tedious process, the weavers produce wraps like mekhela chador and gero, stoles like gamosa, besides some utilitarian items. However the handloom sector has still unable to provide fulltime employment opportunities to the Mising artisian hence the Weaving is not a viable livelihood for them due to certain problems.













#### লক্ষ্মীনন্দন বৰাৰ 'যাকেৰি নাহিকে উপাম' উপন্যাসত প্ৰতিফলিত শংকৰদেৱৰ জীৱন ঃ এক আলোচনা

#### দুলাল হাজৰিকা

সহকাৰী অধ্যাপক, অসমীয়া বিভাগ, মাজুলী মহাবিদ্যালয়

সাহিত্য অকাডেমী, পদ্মশ্ৰী, সৰস্বতী আদি বঁটাৰে সন্মানিত লক্ষ্মীনন্দন বৰা অসমীয়া সাহিত্যত এটি উল্লেখযোগ্য নাম। ত্ৰিশখনতকৈও অধিক উপন্যাস ৰচনা কৰা লক্ষ্মীনন্দন বৰাই কেইবাখনো জীৱনীমূলক উপন্যাসো ৰচনা কৰিছে। এই উপন্যাসসমূহৰ ভিতৰত 'যাকেৰি নাহিকে উপাম', 'সেহি গুণনিধি', 'গতি মতি ভকতি', 'সেহি সব্যসাচী' আদি অসমীয়া সাহিত্যত গুৰুত্বপূৰ্ণ সংযোজন। লক্ষ্মীনন্দন বৰাই শংকৰদেৱৰ জীৱনক ভিত্তি কৰি যাকেৰি নাহিকে উপাম নামৰ উপন্যাসখন ৰচনা কৰে। অৱশ্যে ইয়াৰ আগতে শংকৰদেৱৰ জীৱনক কেন্দ্ৰ কৰি আব্দুল মালিকে ৰচনা কৰে 'ধন্য নৰ তনু ভাল' নামৰ উপন্যাসখন ৰচনা কৰিছিল। সেইদৰে পৰৱৰ্তী সময়ত নিৰুপমা মহন্তই ৰচনা কৰে সৰ্বগুণাকৰ নামৰ আন এখন উপন্যাস। আমাৰ এই আলোচনাত 'যাকেৰি নাহিকে উপাম'ত প্ৰতিফলিত শংকৰদেৱৰ জীৱন আৰু ব্যক্তিত্ব সম্পৰ্কে আলোকপাত

কৰিবলৈ প্ৰয়াস কৰা হৈছে।

'যাকেৰি নাহিকে উপাম'ত প্ৰতিফলিত শংকৰদেৱৰ জীৱন সম্পৰ্কে আলোচনা কৰোঁতে

'যাকেৰি নাহিকে উপাম'ত প্ৰতিফলিত শংকৰদেৱৰ জীৱন সম্পৰ্কে আলোচনা কৰোঁতে

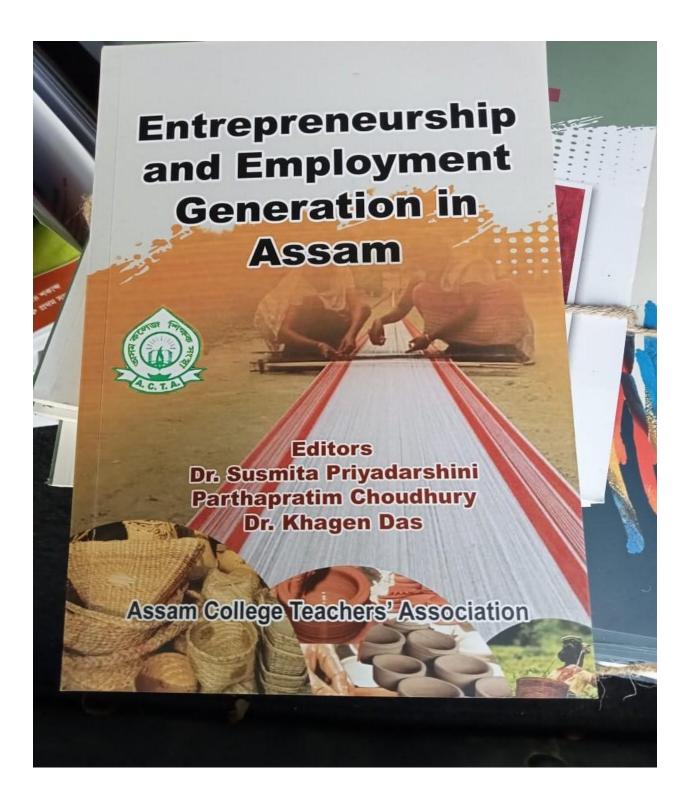
শংকৰদেৱৰ সময়ৰ অসমৰ সমাজ–জীৱনলৈ লক্ষ্য কৰিব লাগিব। উল্লেখযোগ্য যে শংকৰদেৱৰ

শংকৰদেৱৰ সময়ৰ অসমৰ সমাজখন আছিল বিভিন্ন ধৰ্মাৱলম্বীলোকৰ সংমিশ্ৰণত গঢ়ি উঠা
আৱিৰ্ভাৱৰ সময়ত অসমৰ সমাজখন আছিল বিভিন্ন ধৰ্মাৱলম্বীলোকৰ সংমিশ্ৰণত গঢ়ি উঠা





Dr. Rupjyoti Borah, Associate Professor, Dept. of Economics







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Assam d the person w bears most o rewards. H opportunity the first Assa ago he d entrepreneu Senimara a farmer. Due impressive entreprener before the Assam fo entreprene Bezhaniał homes w: created a r state, Mr. 1 Plus), M Pvt Ltd.). Leela Ch Saikia(C Pvt Ltd

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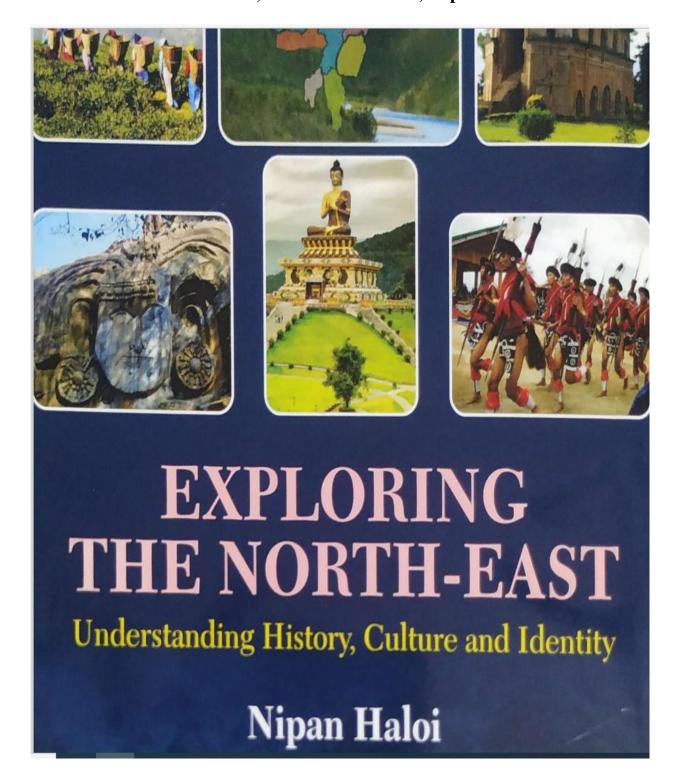
# মাজুলীত গ্ৰাম্য উদ্যমিতা সৃষ্টিৰ প্ৰয়াস আৰু কৈচৰকাৰী সংস্থাৰ কাৰ্যপৰিক্ৰমা ত ৰূপজ্যোতি বৰা সহযোগী অধ্যাপিকা অৰ্থনীতি বিভাগ, মাজুলী মহাবিদ্যালয় ভ্ৰাম্যভাষ ঃ ৬০০২৬৮৭২৭৪

উদ্যোক্তা হ'ল উৎপাদন কাৰ্যত জড়িত আন উপাদানসমূহক এডাল সূতাৰদৰে বান্ধি ৰখা উৎপাদনৰ আটাইতকৈ গুৰুত্বপূৰ্ণ উপাদান। সম্ভাবা ক্ষতিশংকা আৰু অনিশ্চয়তাৰ পৰা হাত সাৰিবৰ বাবে উৎপাদন কাৰ্যৰ পৰা লাভ আহৰণ কৰাটো উদ্যোক্তাৰ বাবে একপ্ৰকাৰৰ পূৰ্বচৰ্ত। উদ্যোক্তাৰ ইংৰাজী





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government-Congresses. 7. India, Northeastern-History-Congresses. 8. Assam (India)-History-Congresses. 1. Haloi, Nipan, 1991- editor. II. Sankardeva Mahavidyalaya (Pathalipahar, India). Department of Political Science, organizer.

LCC GN635.14E97 2023 | DDC 305.8009541 23

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#### First Published 2023

O Nipan Haloi

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ISBN 978-93-94569-55-3

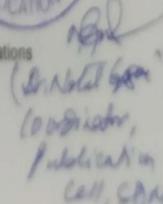
Published and printed by Krishan Mittal for Mittal Publications

4594/9, Daryaganj, New Delhi - 110002, India

Phone 23250398 Telefax 91-11-41564398

e-mail info@mittabooks.com

Website www.mitalbooks.com







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### SOCIAL FORMATION OF MISING TRBES OF MAJULI DISTRICT, ASSAM

PROFULLA BORAH

#### Introduction

There are more than 14 recognized plain tribes and 15 hill tribes in Assam. They are bounded with their own rituals and customs. Among them, the Mising tribes are highly populated in various regions in Assam and they are the second largest tribe of Assam. The Mising were ethnically belonged to the Tibeto-Burmese group of Mongoloid stock. They were also known as Miri in the past and still recognized as Miri in the Constitution of India. Majuli is a land of different ethnic groups including both tribal and non-tribal and rich in art and culture. Misings have different



