

BAOSI BANIKANTA KAKATI COLLEGE

(Affiliated to Gauhati University)

Nagaon, Barpeta

Assam – 781311 (INDIA)

Email: principalbbkc@gmail.com

Website: www.bbkcollege.ac.in



3rd CYCLE NAAC ACCREDITATION 2024

DVV Clarifications

3.3.2: Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

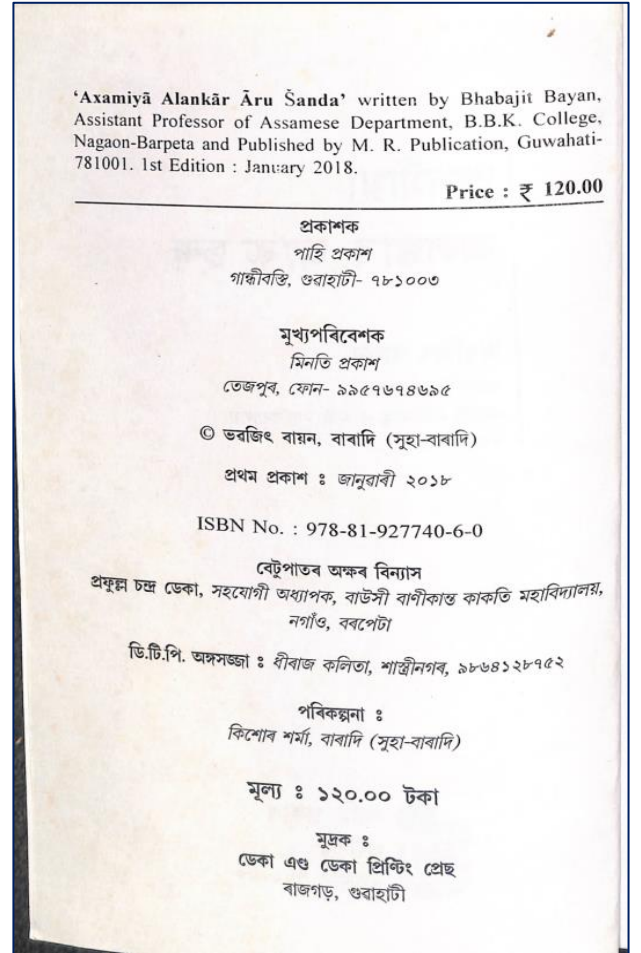
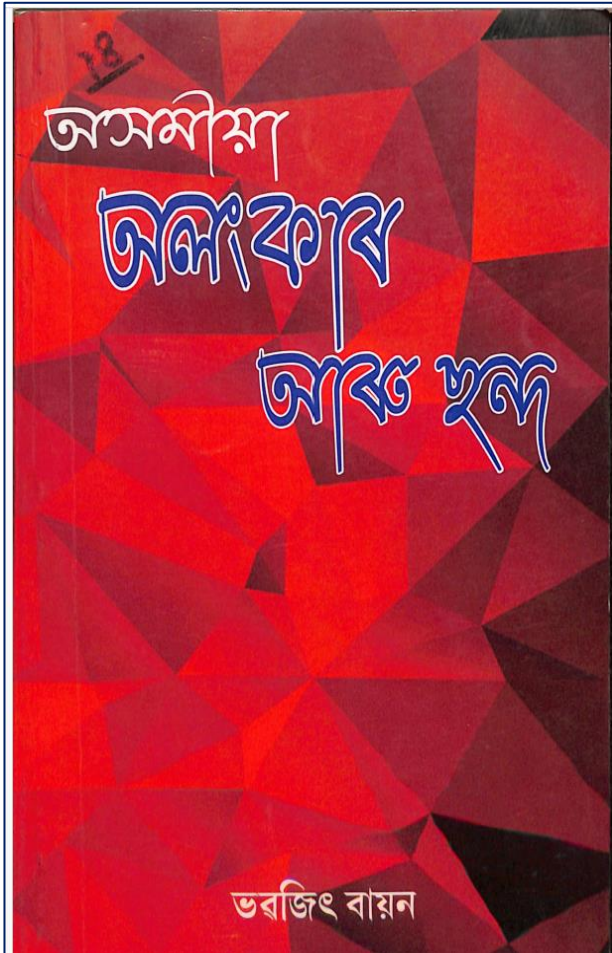


National Assessment and Accreditation Council

An Autonomous Institution of the University Grants Commission

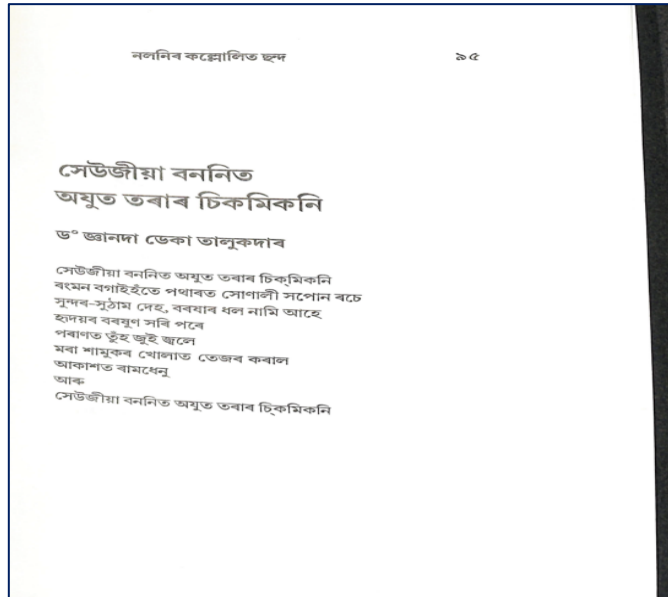
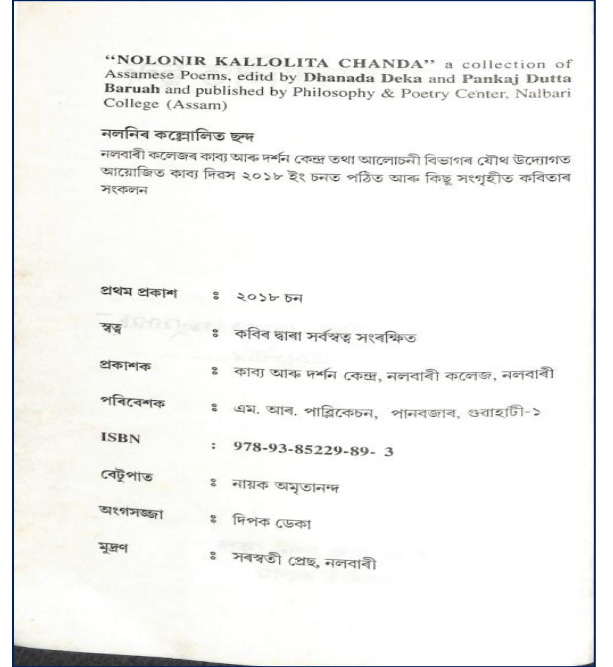
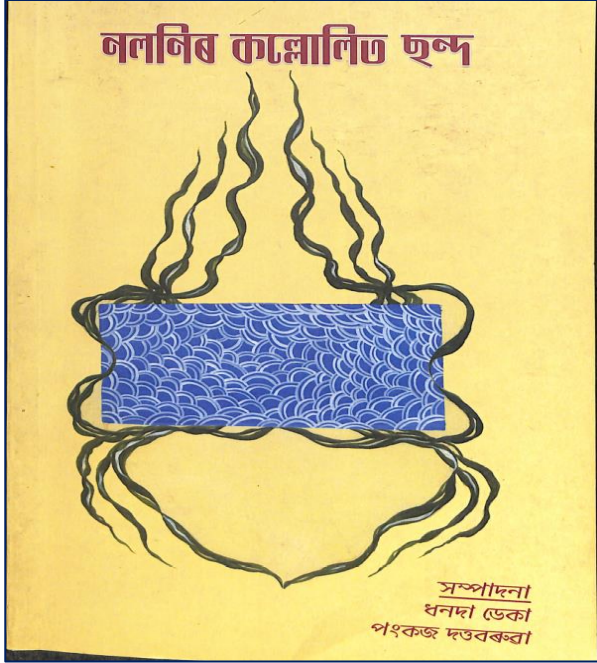
राष्ट्रीय मूल्यांकन और प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का एक स्वायत्त संस्थान

3.3.2 Additional Information**1) Bhabajit Bayan: Asomiya Alankar aaru Chanda (2018-19) (Book)**

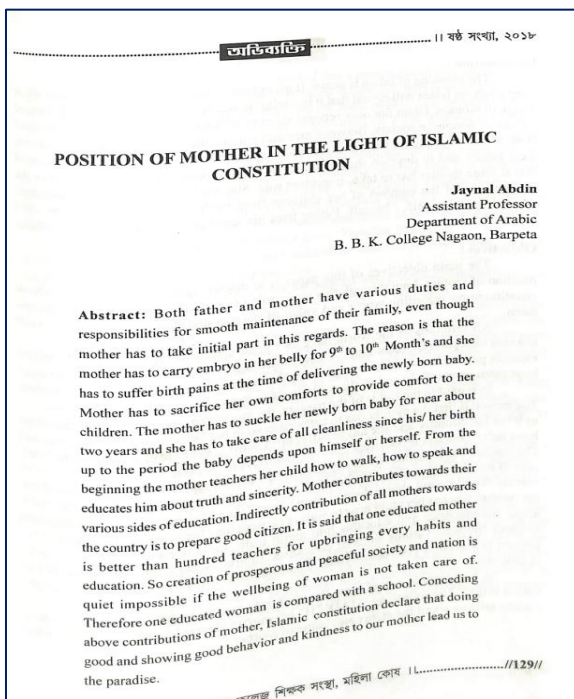
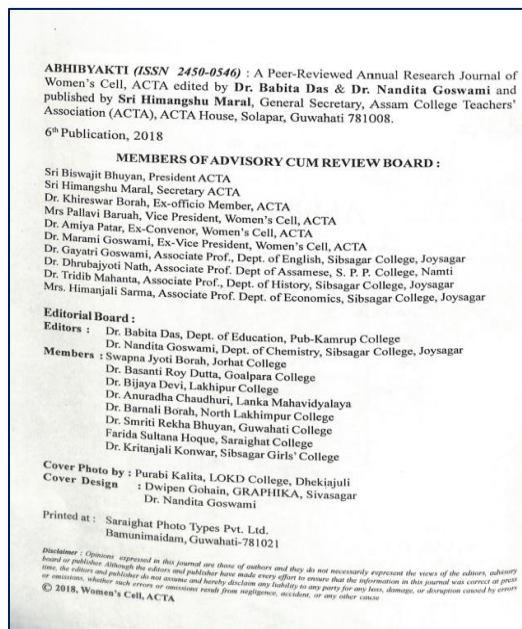
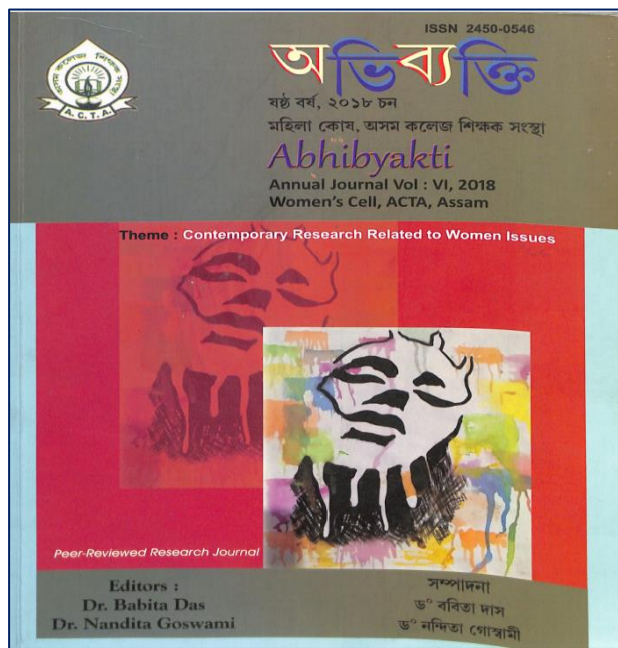
The book is print only. Web link for the book is not available

2) Dr. Gyanada Deka Talukdar: *Seujiya Bananit Amrit Tarar Chikmikani* (2018-19)



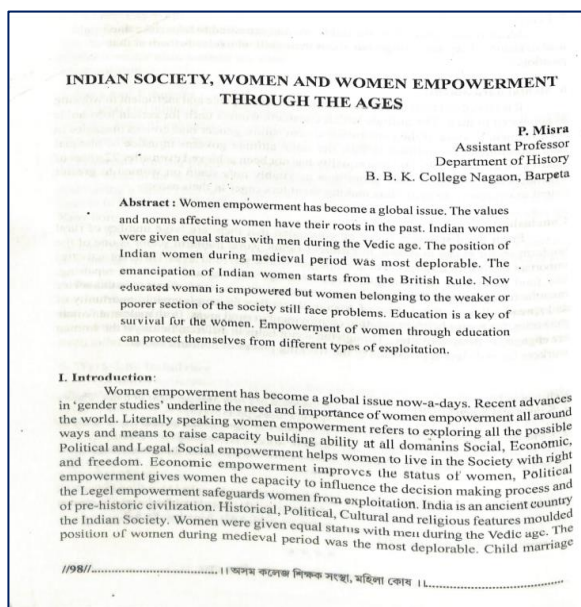
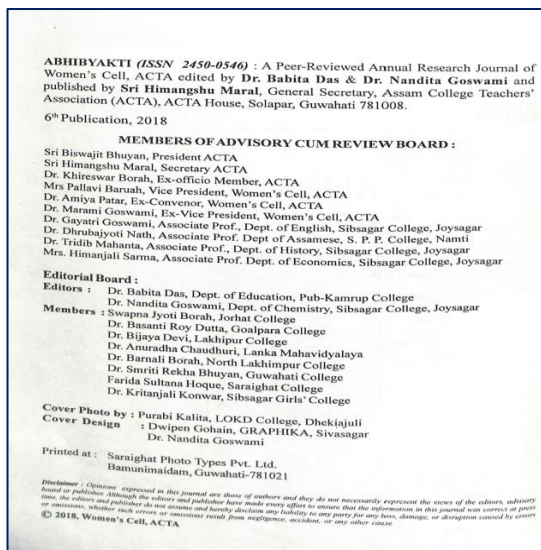
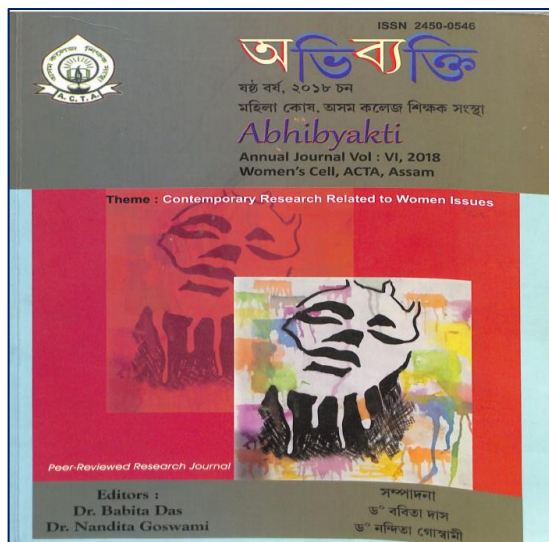
The book is print only. Web link for the book is not available

3) Dr. Jaynal Abdin (2018-19)



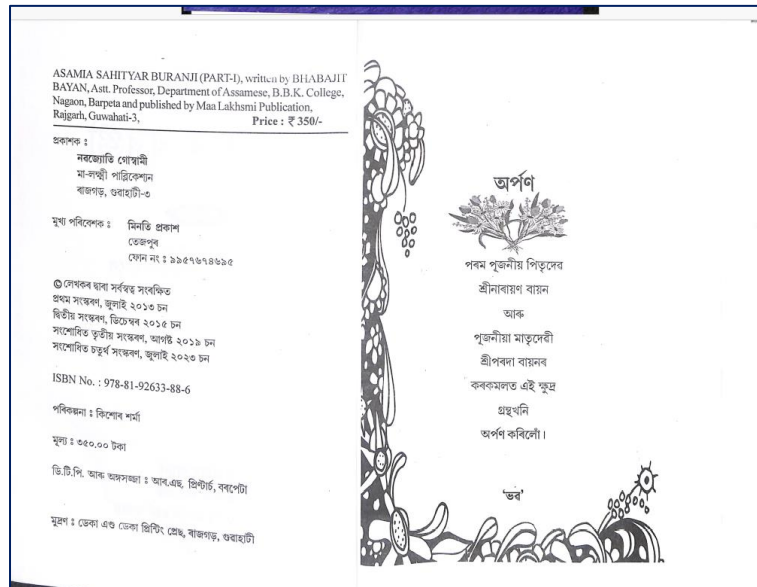
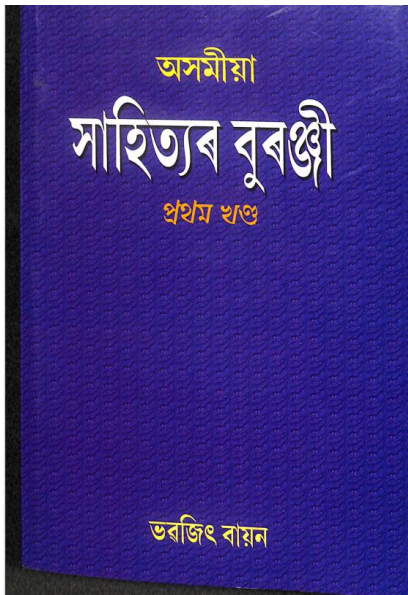
The book is print only. Web link for the book is not available

4) Phulrenu Mishra (2018-19)



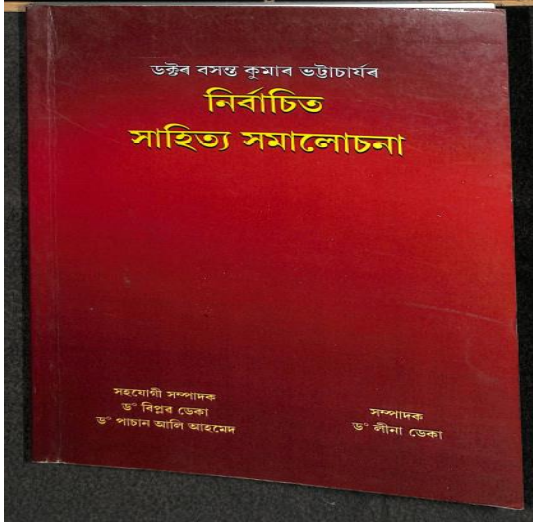
The book is print only. Web link for the book is not available

5) Bhabajit Bayan: *Asomiya Sahityar Buranji* (2019-20)

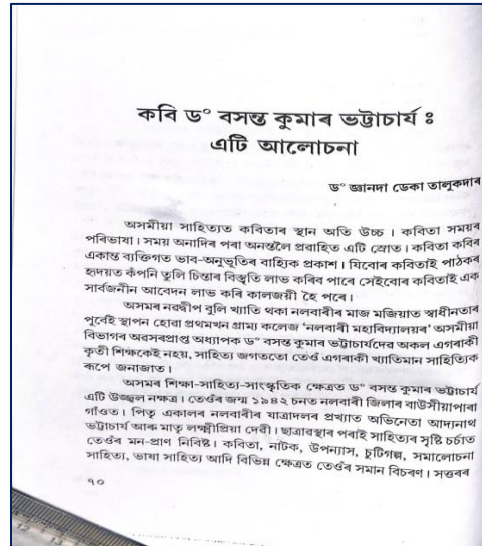


The book is print only. Web link for the book is not available

6) Dr. Gyanada Deka Talukdar (2019-20)

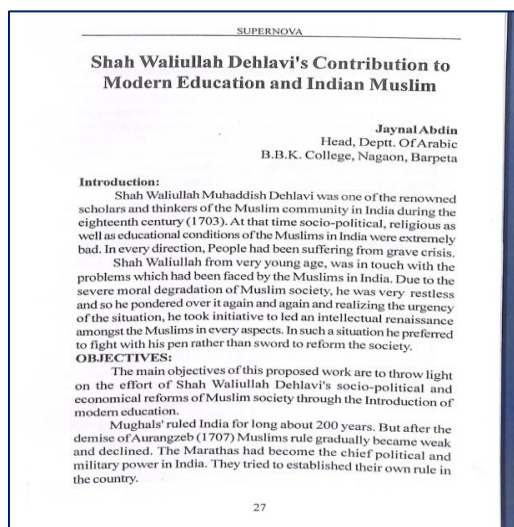
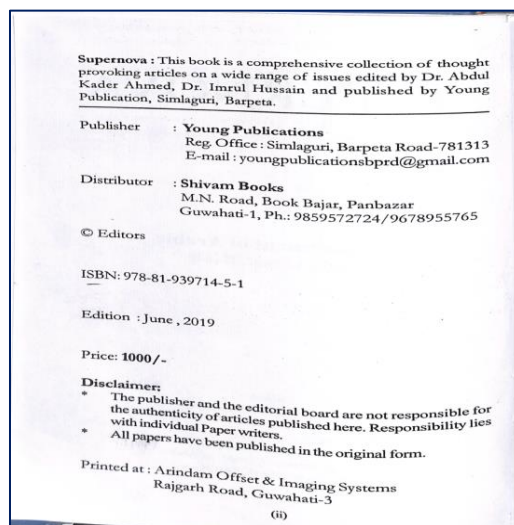
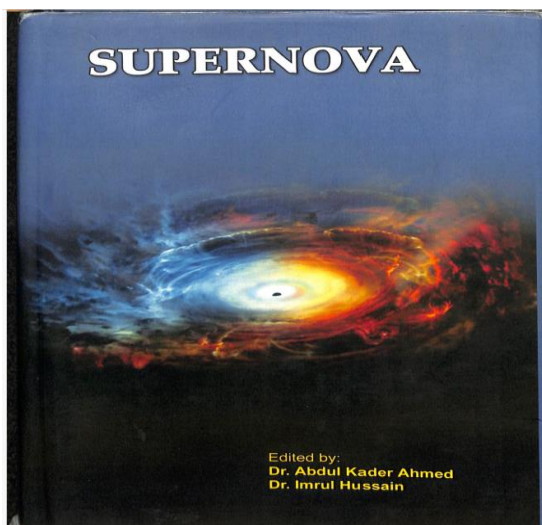


"Doctor Basanta Kumar Bhattacharyar Nirbachita Sahitya Samalochana": A collection of literary criticism of Dr. B.K. Bhattacharyya, edited by Dr. Leena Deka, Dr. Biplob Deka and Dr. Pashan Ali Ahmed.	
প্ৰথম প্ৰকাশ	২০১৯
প্ৰচ্ছদ	সম্পাদকসকল
সম্পাদনা সমিতি	
সম্পাদক	ড° লীনা ডেকা
সহযোগী সম্পাদক	ড° বিপ্লব ডেকা ড° পাচান আলি আহমেদ
সদস্য	ড° ত্ৰিবেদী লেজবনকা ড° মনিমা ভূঞা ড° হিমাংগ গোহাৰী
ছপা	নিউ ডিজিটেল কম্পিউটাৰ এণ্ড ব'ক প্ৰকাশন গোষ্ঠী কলেজ ৰোড (এম.এল.জি. কলেজৰ সন্মুখত), নলবাৰী
মূল্য	২০০.০০ টকা মাত্ৰ



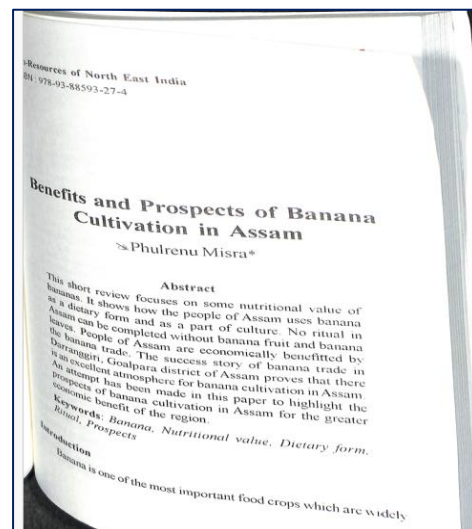
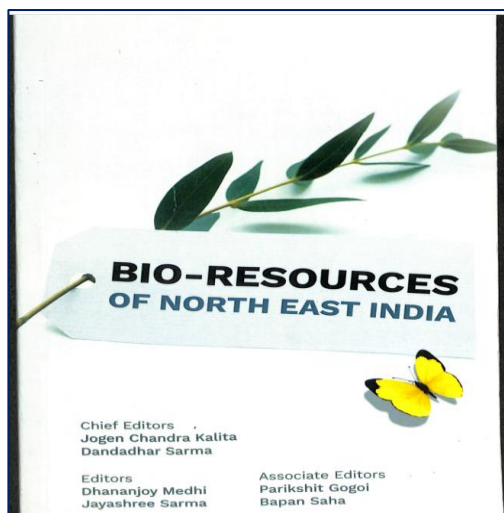
The book is print only. Web link for the book is not available

7) Dr. Jaynal Abdin (2019-20)



The book is print only. Web link for the book is not available

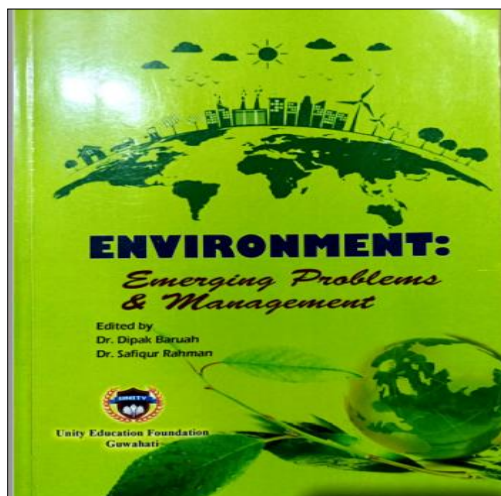
8) Phulrenu Misra (2019-20)



Land-use, land-cover status of Kamrup Metro District: From the perspective of Bio-resource Management /153	↳ Satyendra Hazarika
Various Formations of Forest in Goalpara Forest Division, Goalpara, Assam /161	↳ Dhananjay Medhi
Agricultural Communication for Sustainable Development: A Case Study among Tribal Women Farmers in Sivasagar District of Assam /179	↳ Kanchan Gogoi
Diverse Bioresources from North-East India as an Alternative Source for Conventional Fuel: An Overview/181	↳ Bapan Saha and Priyanka Barua
Environment : Emerging Problems & Management /189	↳ Manoj Kr. Sarma and Saifur Rahman
Natural Resources, Biodiversity and Sustainable Development in Northeast India: An Overview /196	↳ Debajani Basumatary
A Study of Environmental Ethics among Nagas in Relationship with Gender /204	↳ Imlisongla Longkumer, Lovika P. Shikhu, Sesino Savino
Climate Change, Flooding and it's Aftermath in Assam /210	↳ Joyashree Sarma
Benefits and Prospects of Banana Cultivation in Assam /215	↳ Phulrenu Misra
Natural Dyes of North East India: Processing and Sustainable Perspectives /220	↳ Ankita Sarkar, Aniruddha Gogoi and Parikshit Gogoi
Responses of Some Upland Rice Landraces of Nagaland to Dehydration Stress /227	↳ Anasui Paul

The book is print only. Web link for the book is not available

9) Haripriya Das: Benefits of herbal plants in Karbi Society of Assam (2020-21)

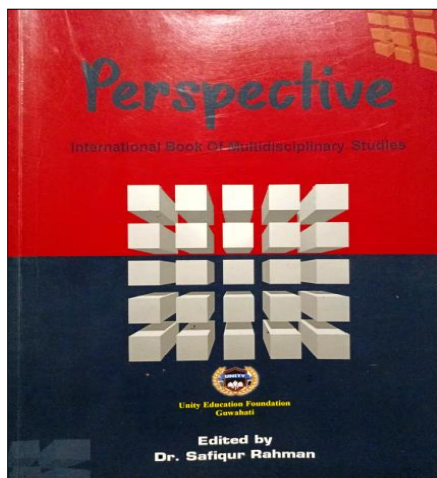


CHAPTER-4 Climate Change	58-67
4.1 Climate Change is The Greatest Threat to The Planet Earth <i>Minakshi Deka Boruah</i>	58
4.2 Climate Change - Glacier Melting <i>Rashima Kachari</i>	64
CHAPTER-5 Environment & Education	68-92
5.1 Education on Environment in the Curriculum of Social Sciences <i>Hemshikha Talukdar</i>	68
5.2 Methods of Inculcation of Environmental Education in School <i>Jayaree Saikia</i>	72
5.3 Role of Education in Environmental Awareness <i>Anapam Ray</i>	75
5.4 Environmental Education in Context to Assam <i>Tridisha Borgohain</i>	79
5.5 Education for Sustainable Development <i>Anjam Sahidullah</i>	82
5.6 Benefits of Herbal Plants in Karbi Society of Assam <i>Juri Das / Haripriya Das</i>	86
5.7 The Environmental Awareness in Abjainassakuntalam <i>Chandramita Upamanyu</i>	89
CHAPTER-6 Environment & Economy	93-111
6.1 Economic Development and Environmental Degradation <i>Alok Regon</i>	93
6.2 Greening the Global Economy : Need and Way Forward <i>Neha Kar</i>	97
6.3 Environmental Accounting Practice in India <i>Sabita Bhagabati</i>	102
6.4 Deforestation-Conservation Trade-off: Political Economy of Forest Conservation Discourse in Assam <i>Bandita Deka</i>	106

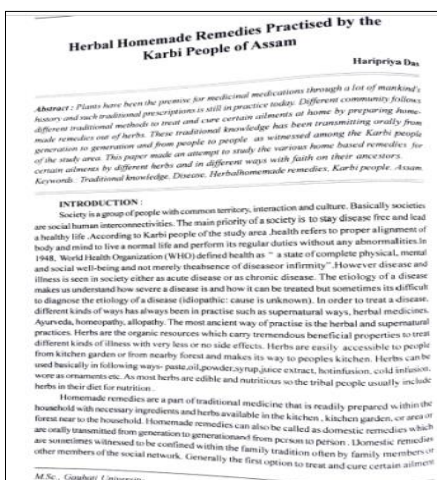
86	Environment & Education
5.6 Benefits of Herbal Plants in Karbi Society of Assam	
Juri Das¹ Haripriya Das²	
Introduction : Environment have direct relationship with society. Environment has all kinds of living and non living things which together create an environment. Today along with the study of environment the study of the utility of natural resources are also emphasized. The knowledge of environment and its natural resources is very necessary in contemporary period. This knowledge will provide lot of opportunities and scopes to understand and cope with nature. The knowledge of environment and its natural resources has always been known from ancient times. But in the materialistic period circumstances are different and as natural resources are utilized in a processed way so the identification of some resources such as plants have minimized. In order to save our environment we have to understand and discover our environment. Field of study like Anthropology helps in preserving human culture and also traditional medicine used by different communities. Today the relationship between man and environment is weak. Imbalance in nature is harming themselves and their surrounding. In ancient time people had made lot of but as time passed people are failing to recognize its root and richness of nature. And eventually living beings because of this even for some acute diseases people seek allopathic treatment. This is the evidence how people distanced themselves from nature.	
Area of study : Assam is an evergreen state of India with enormous medicinal plant and herbs. In the tribal society the use of the plants as medicine is prevalent from long time. This study of herbal medicine was carried out among the Karbi Tribe of Kheri Village, Kamrup metropolitan district of Assam. The Karbi people of Kheri village very simple living their, their primary occupation is agriculture, they have faith in religion and their local traditional healer, there is only one pharmacy and one health center in the village so they mostly visit their community healers. These healers diagnose the diseases and prescribe the natural herbal medicine. Karbis are one of the main tribes of north east India. The Karbi belong to the Mongoloid group and linguistically they	
1. Research scholar, Assam University 2. M.Sc. Guwahati University	

The book is print only. Web link for the book is not available

10) Haripriya Das: Herbal Homemade remedies practiced by the Karbi people of Assam

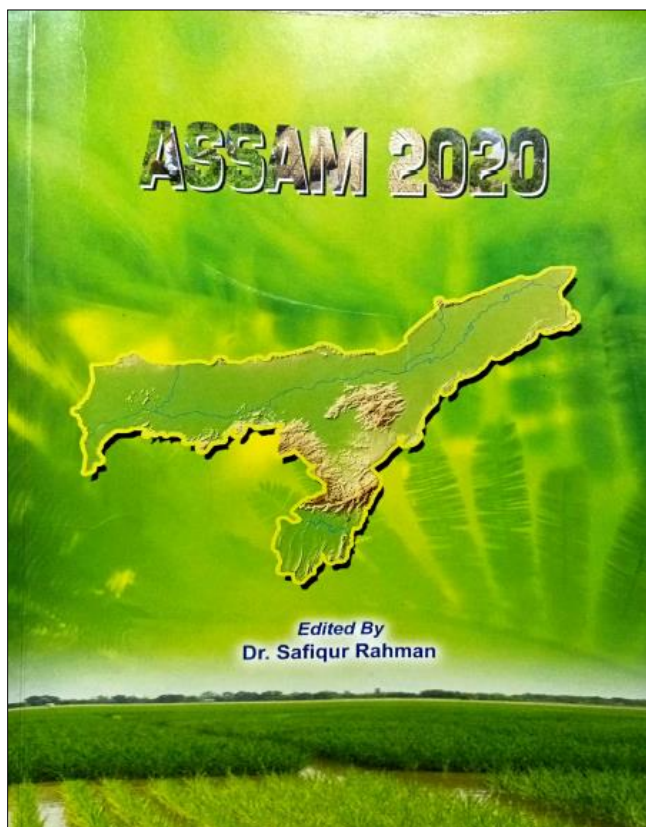


Contents	
1. Impact of Covid-19 on Indian masses : Challenges and Opportunities	1
2. Important Indigenous Industries of Barak Valley During the Colonial Period	6
3. The Concept of Globalisation : An Analysis	11
4. Status of Elementary Education in Assam	14
5. Social Benefits and Rapid Urbanisation : A Study in Guwahati City	19
6. The Politics of Difference and Cultural Hybridity in terms of Nation and Identity with reference to Conrad's "Heart of Darkness" and Hossein's "The Kite Runner"	26
7. Market and Competition : A Brief Analysis	33
8. Gender Stereotypes and Mental Health	38
9. Attitude of Undergraduate Students towards Semester System in Relation to their Academic Achievement	41
10. Forest Resources of Assam : Economic Perspective	47
11. Herbal Homemade Remedies Practiced by the Karbi People of Assam	56
12. Aspects of the Folklore, Ancient Indian Literary Sources and Epics in Modern Bodo Poetry	60
13. Study of Diversity of Ethnobotanical Plants Commonly Used in The Villages of Dibrugarh District, Assam, NE, India	68
14. Srimanta Sankardeva and William Shakespeare's drama : A comparative study	74
15. Epidemiology of Cardiovascular Disease in Dibrugarh town of Assam	77
16. Linkage Between Environment and Ecology	85
17. Level of Conflict Between Private and Public Sector Banks in Diphu, Assam	87
18. Doodhari Dance Associated with The Manasa Cult Among The Rabhas of Assam	91



The book is print only. Web link for the book is not available

11) Haripriya Das: Indigenous Knowledge of Herbs of the Karbi community



**Indigenous Knowledge Of Herbs Of The
Karbi Community**

Haripriya Das

Abstract : This research paper is mainly on herbs and its benefits to human society and the acceptance of different herbs as medicine by Karbi community by trial and error process from generations and also the transmission of herbalknowledge to people and community to cure and prevent illness and ailments.

Keywords : Herbs, Indigenous knowledge, Herbal medicine, Karbi community, Assam

Introduction :

The use of herbs to treat diseases is almost universal among non-industrialized societies. Medicinalplants are one of among non-timber forest products, which are directly acquired from forest to use it as raw or in a processed way to cure various ailments. About 80% of people world wide rely on herbal medicines for some aspects of their primary health care . In 2008, the global market for herbal remedies was about USD 83 billion and now it is about 100 billion. About 100 years ago, natural herbs were the main remedy for treating human diseases. It has been estimated that 25% of modern medicines are made from plants first used traditionally such as aspirin, artemisinin, ephedrine and paclitaxel. However there is limited scientific evidence to establish the safety and efficacy of most herbal products but still different community consume herbal medicine with faith. There is always an appropriate way to use herbal medicine, it may be a mixture of one or more ingredients, different parts of a plantsuch as root, rhizome, stem, leaves, flower, fruit, seedsetc. is used in different ways. The aim of herbal treatment is usually to produce persisting improvements in well being.

Area of Study :

The study was conducted in a village near Brahmaputra valley which is mostly inhabited by indigenous people of Assam. The field study was conducted in order to understand the different use of herbs and the diseases that are treated by the herbs. The village is situated in the kamrup metropolitan district of Assam, India. The Karbi community was taken into consideration for study.

The study community were simple, loving and compassionate towards each other and to their guest ,they were welcoming to the researchers and provide them necessary information

M.Sc from Gauhati University

The book is print only. Web link for the book is not available

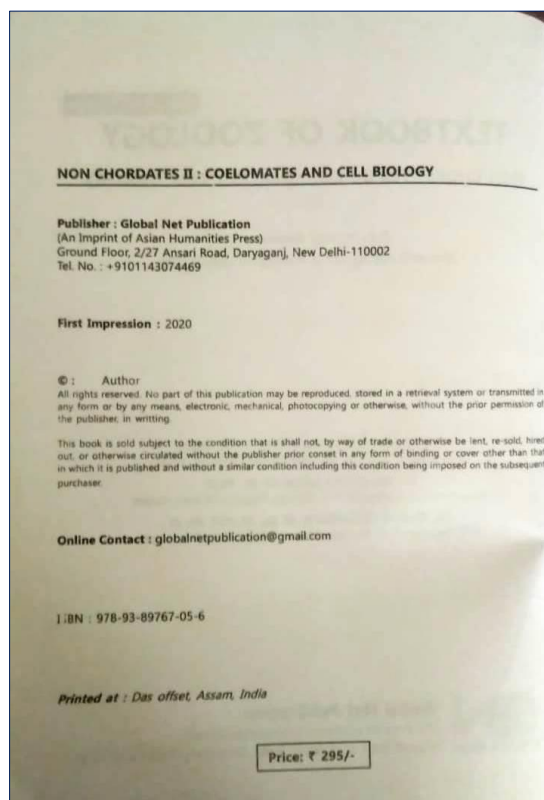
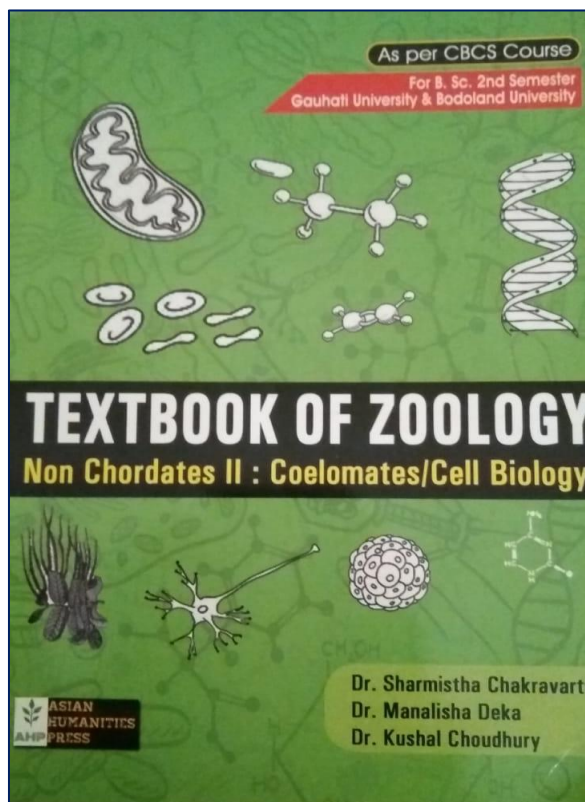


BAOSI BANIKANTA KAKATI COLLEGE

**Nagaon, Barpeta
Assam – 781311 (INDIA)**

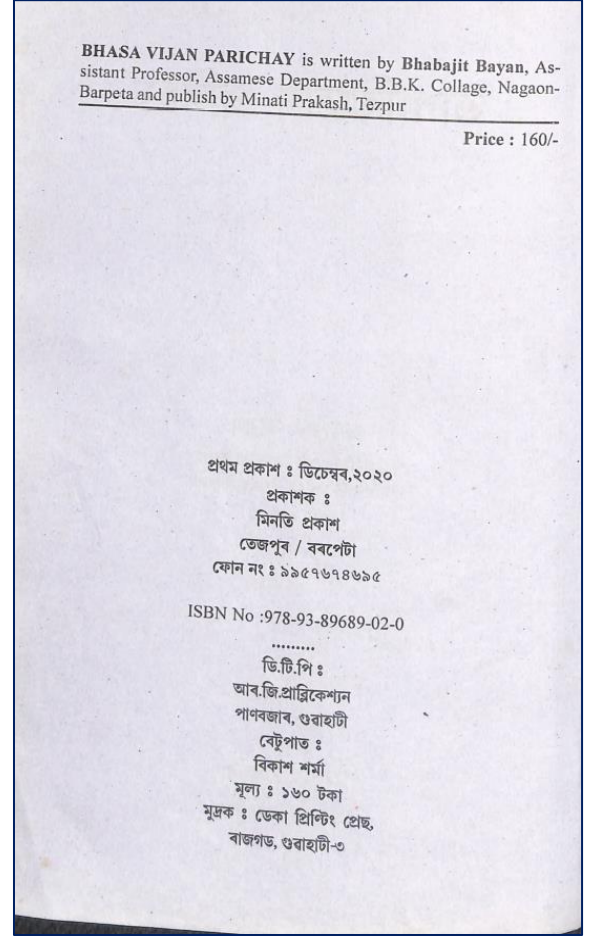
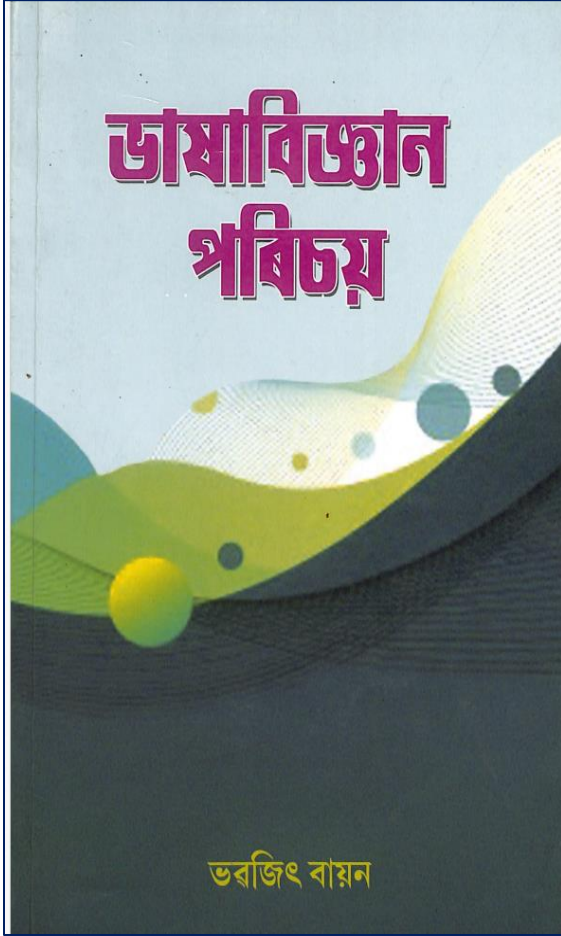
**Dr. Pradip Das
Principal**

12) Dr. Manalisha Deka: Textbook of Zoology-Non Chordates II (2020-21)



The book is print only. Web link for the book is not available

13) Bhabajit Bayan: *Bhasa Vijan Praichay* (2020-21)



The book is print only. Web link for the book is not available

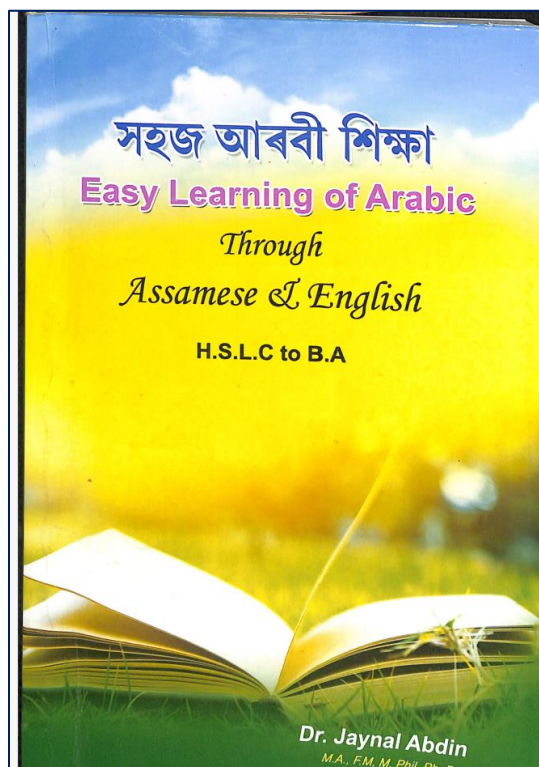


BAOSI BANIKANTA KAKATI COLLEGE

Nagaon, Barpeta
Assam – 781311 (INDIA)

Dr. Pradip Das
Principal

14) Dr. Jaynal Abdin: Easy Learning of Arabic (2020-21)



Easy Learning of Arabic is a grammatical and various Arabic words meaning book compiled and prepared by Prof. Jaynal Abdin, M.A., F.M., M. Phil., Ph. D., Head of Arabic Deptt. B. B. K. College, Nagaon (Barpeta).

Published by

Jagaran Sahitya Prakashan
Panbazar, Guwahati
Mob No : 86381 53126

All rights reserved by the Author

ISBN : 978-81-202-8845-4

First Edition : 15th july, 2017

Second Edition : 16th August, 2020

Rs. : 200/-

Printed at

Jagaran Press
Guwahati

The book is print only. Web link for the book is not available

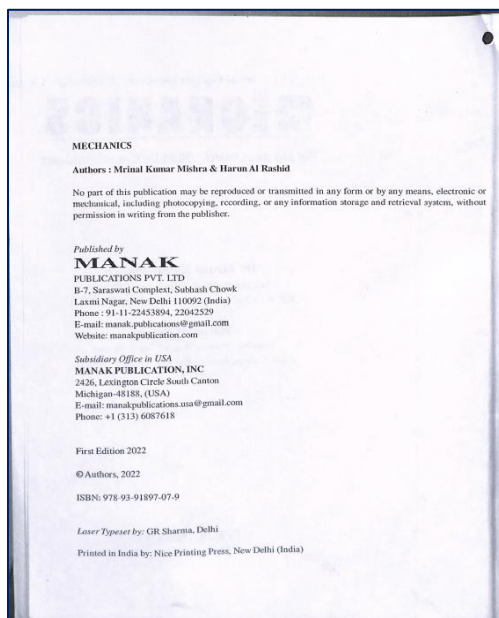
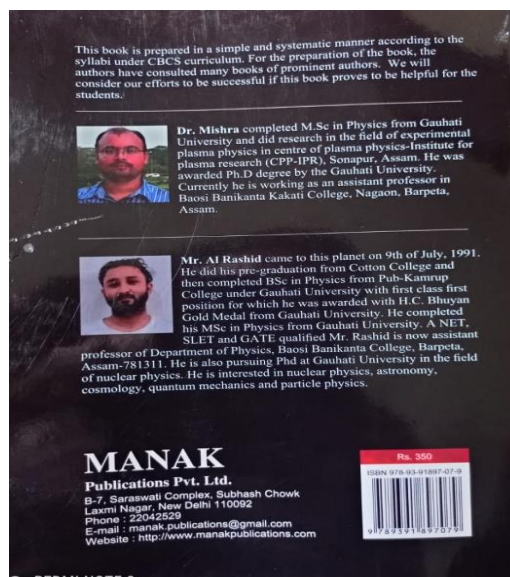
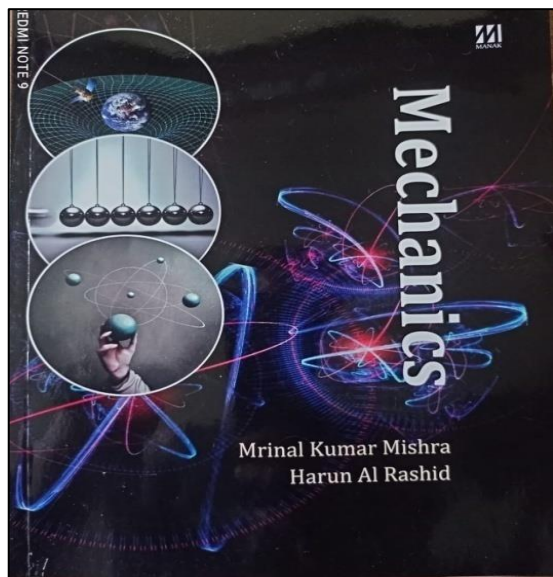


BAOSI BANIKANTA KAKATI COLLEGE

Nagaon, Barpeta
Assam – 781311 (INDIA)

Dr. Pradip Das
Principal

15) Dr. Mrinal Kr. Misra : *Mechanics* (ISBN- 978-93-9187-9) (2021-22)



The book is print only. Web link for the book is not available

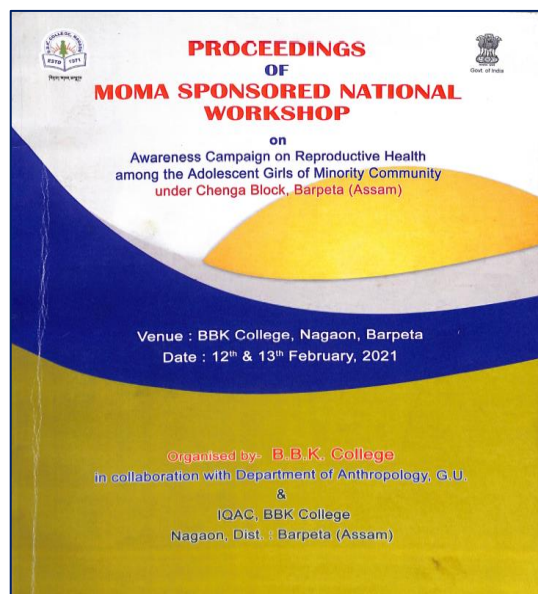


BAOSI BANIKANTA KAKATI COLLEGE

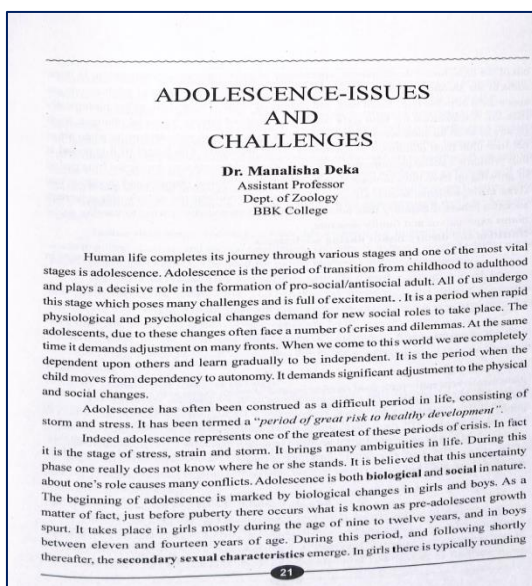
Nagaon, Barpeta
Assam – 781311 (INDIA)

Dr. Pradip Das
Principal

17) Dr. Manalisha Deka (2021-22)

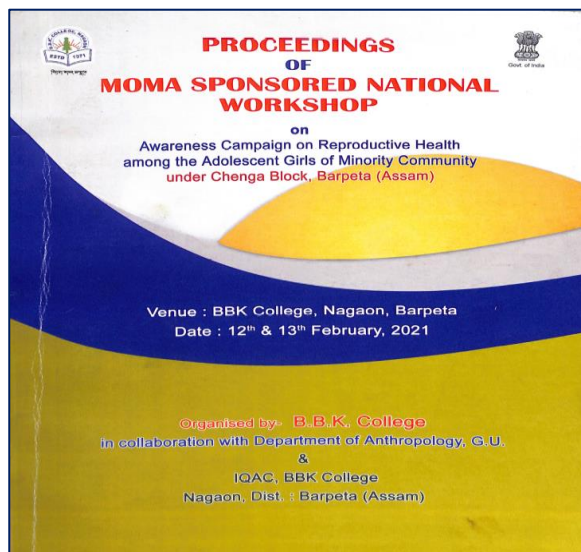


CONTENT	
• Welcome Address by The Chairman	Dr. Pradip Das
• From the Desk of the Coordinator	Aminur Rahman
• Adolescent Reproductive Health : Some Issues	Professor Jaydip Sen
• Reproductive health among adolescent girls	Dr. D. Swapna Kakati
• Reproductive Health Among The Adolescent Girls	Dr. Wahida Nazni
• Population Family planning	Dr. Mustaque Ahmed
• Adolescent health problems Adolescence-Issues And Challenges	Dr. Manalisha Deka
• Investing in Adolescent Health : The Status of Assam	Dr. Gopal Kumar Sarma
• Prevalence of Child Marriage in Char Area, Assam : A glaring Social Malady	Phutrenu Misra
• Rapporteur's Note	

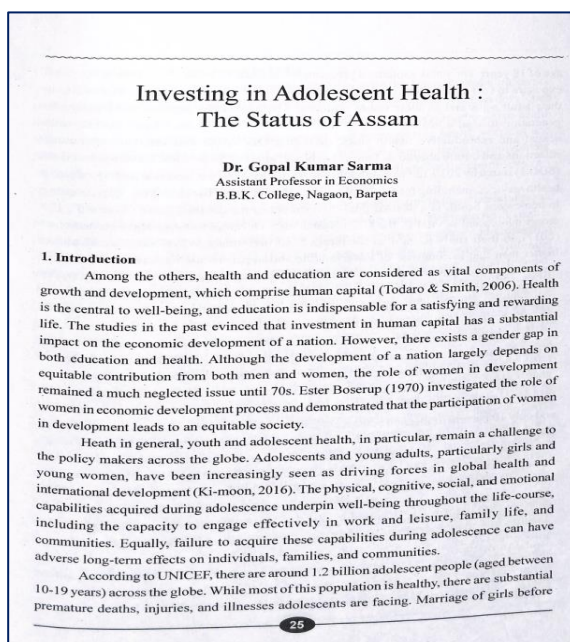


The book is print only. Web link for the book is not available

18) Dr. Gopal Kr. Sarma (2021-22)

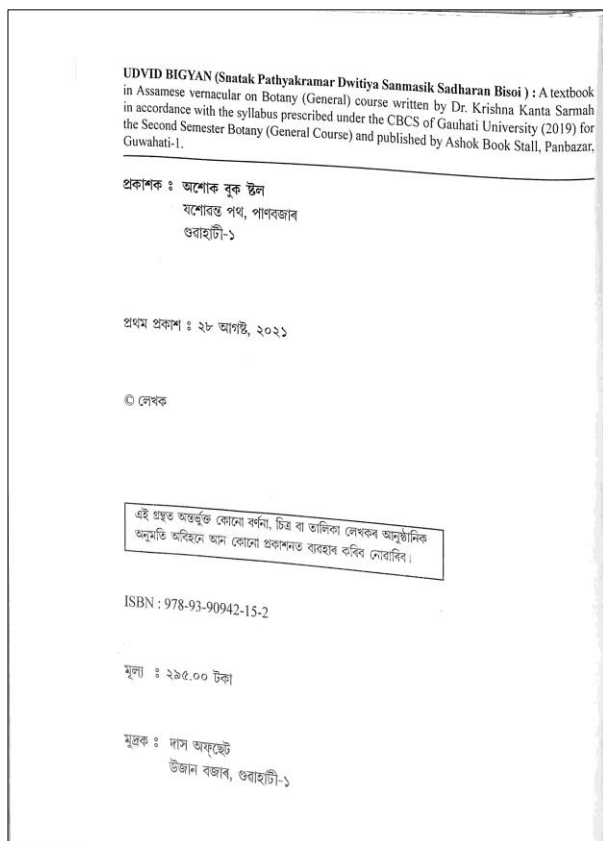
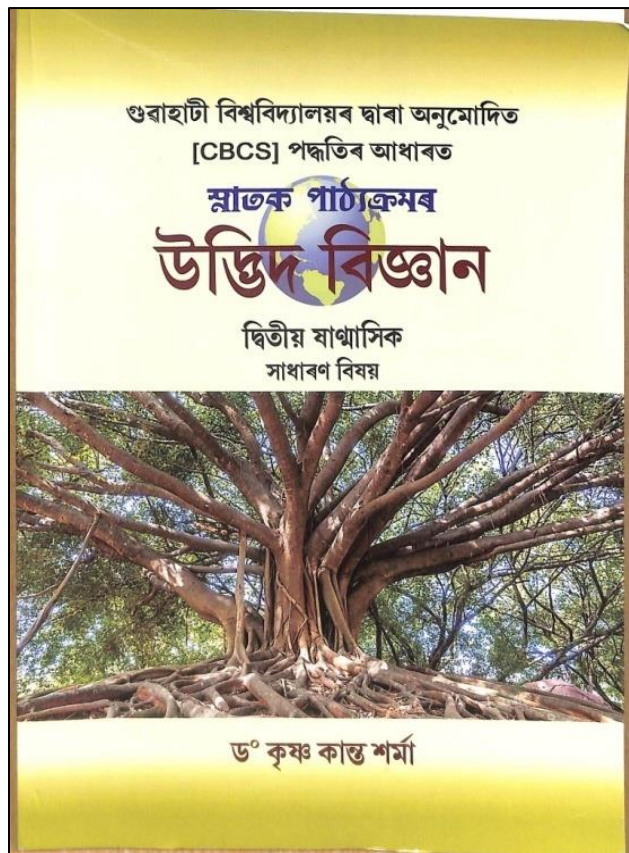


CONTENT	
• Welcome Address by The Chairman	Dr. Pradip Das
• From the Desk of the Coordinator	Aminur Rahman
• Adolescent Reproductive Health : Some Issues	Professor Jaydip Sen
• Reproductive health among adolescent girls	Dr. D. Swapna Kakati
• Reproductive Health Among The Adolescent Girls	Dr. Wahida Nazni
• Population	
• Family planning	
• Adolescent health problems	Dr. Mustaque Ahmed
• Adolescence-Issues And Challenges	Dr. Manalisha Deka
• Investing in Adolescent Health : The Status of Assam	Dr. Gopal Kumar Sarma
• Prevalence of Child Marriage in Char Area, Assam : A glaring	
• Social Malady	Phulensu Misra
• Rapporteur's Note	



The book is print only. Web link for the book is not available

19) Dr. Krishna Kanta Sarma: *Udvid Bigyan* (ISBN: 978-93-90942-15-2)



The book is print only. Web link for the book is not available

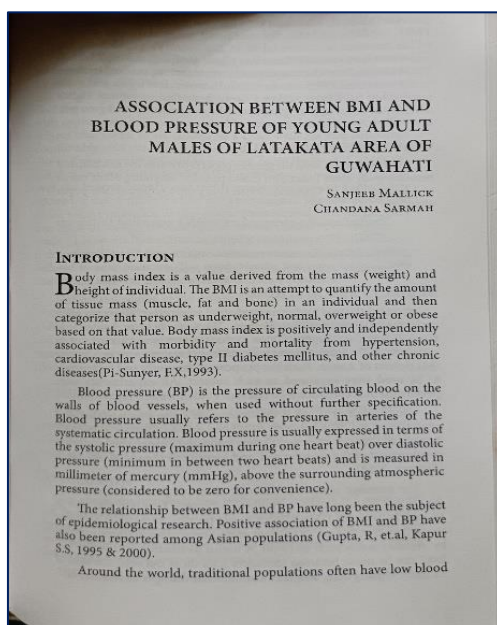
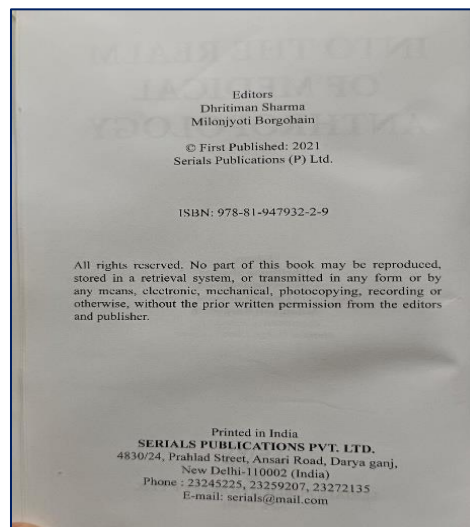
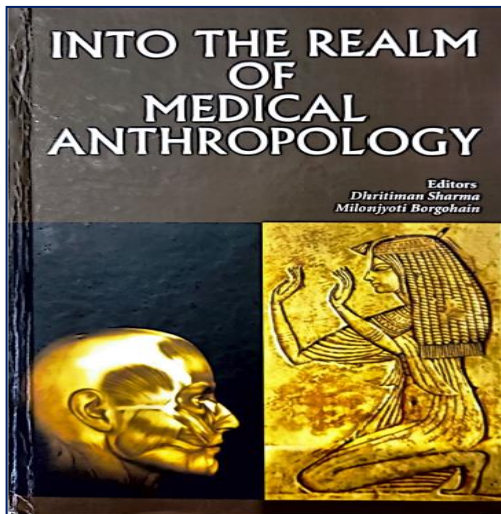


BAOSI BANIKANTA KAKATI COLLEGE

Nagaon, Barpeta
Assam – 781311 (INDIA)

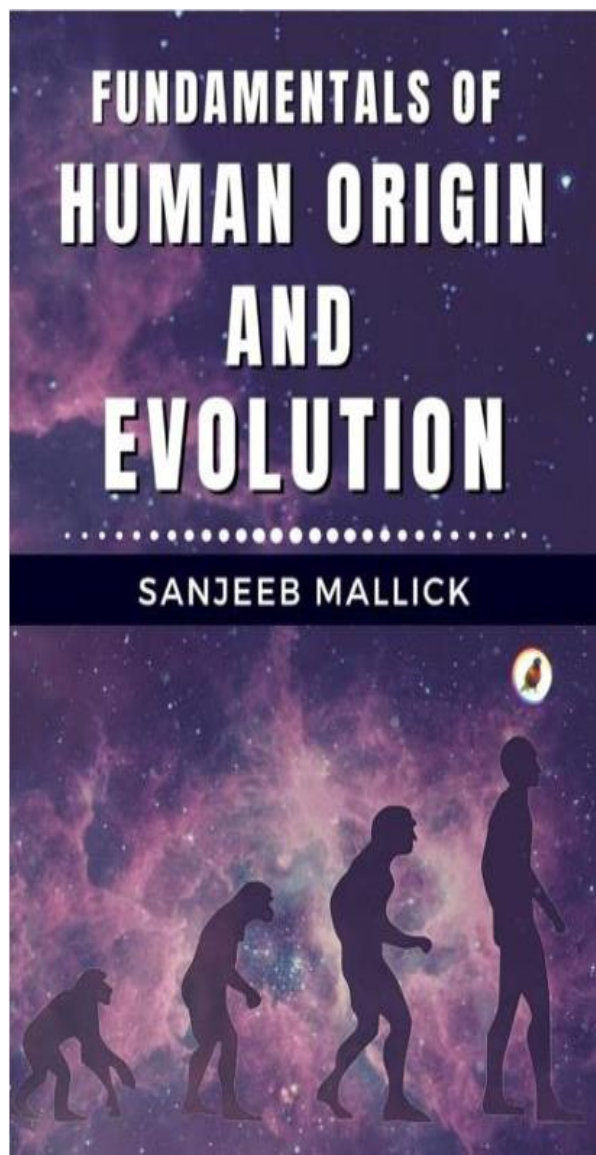
Dr. Pradip Das
Principal

20) Dr. Sanjeeb Mallick (2021-22)



The book is print only. Web link for the book is not available

21) Dr. Sanjeeb Mallick (2021-22)



Fundamentals of Human Origin & Evolution focus on the perspective and approaches in human origin and evolutionary pattern. It mainly focuses on the position of man in primate on the basis of characteristic features and classification of primate. It also includes behaviour of nonhuman primate and human and to find out the difference between human and nonhuman primate. It discusses about the fossil primates and stages of human evolution as well as hominization process. It describes about the anatomical changes which occurred during the evolution. The study of human anatomy includes osteology, cranial osteology and post cranial osteology helps to understand the human characteristics features of different bones and also understand to compare the anatomy with nonhuman primate group.



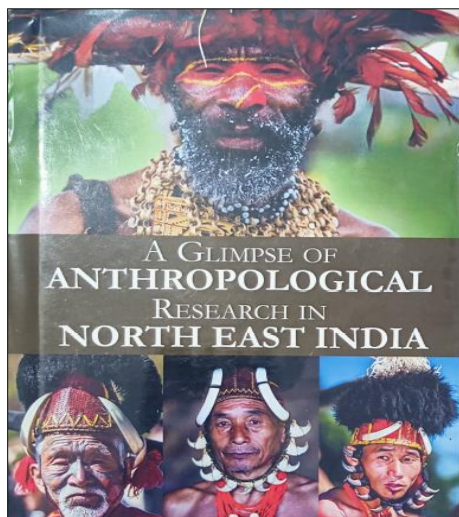
Sanjeeb Mallick (M.Sc, M.A, B.Ed) is an Assistant Professor (Non-provisionalized) of Biological Anthropology at Department of Anthropology, Pragjyotish College, Guwahati, Assam, India where he has been teaching courses in General Anthropology, Physical/Biological Anthropology, Prehistoric Anthropology and Socio-cultural Anthropology.

He did his Post Graduation in Biological Anthropology from Gauhati University, Assam, in 2013 and also did his B.Ed from the same University in 2015. He also did his M.A in Sociology from KKHSOU, Assam, in 2018. He also did diploma in Human Resource Management and Behavioral Sciences from European Open University in February, 2021. Sanjeeb Mallick is an author of two edited books, number of research papers and articles in International and National referred and peer reviewed research journals and books. Currently, he is pursuing his PhD in the Department of Anthropology, Gauhati University, Guwahati, Assam.

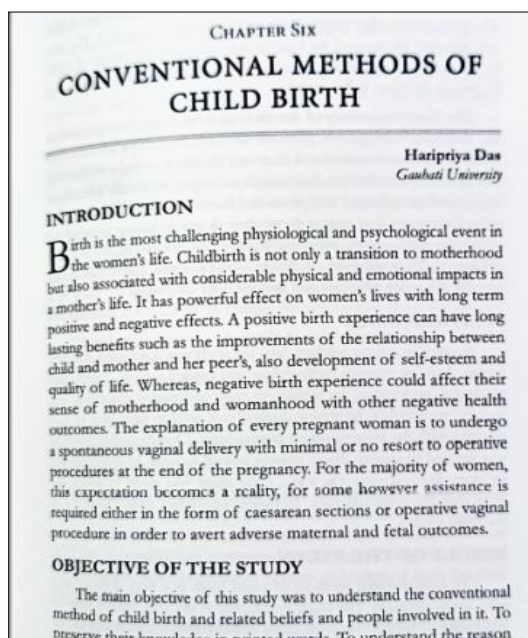


The book is print only. Web link for the book is not available

22) Haripriya Das: Conventional Methods of Child Birth (2021-22)



CONTENTS	
1. Medicinal Plants Used by the Traditional Healers of Tiwa Community, Morigaon District, Assam	1
<i>Bhagabtree Baruah</i>	
2. Ethno-medicinal beliefs and practices among The Sonowal Kacharis of Assam	13
<i>Bismit Kumar Singh</i>	
3. Beliefs and Practices Related to Conception and Birth among the Sonowal Kacharis of Assam	23
<i>Bernali Borgohain</i>	
4. Continuity of Traditional Beliefs through Cultural Syncretism among the Nocte Tribe	29
<i>Christina Sarma</i> <i>Chandana Kumar Baruah</i>	
5. Social and biological factors affecting the health of women and infants of Mog population of Upper Assam	53
<i>Dr. Fulgini Ray Barua and Dr. Deepanjana Datta Das</i>	
6. Conventional Methods of Child Birth	67
<i>Haripriya Das</i>	
7. Contextualising the Issues of Wildlife Conservation and Tribal Development in North-East India	73
<i>Hemok Jyoti Baruah</i>	



The book is print only. Web link for the book is not available

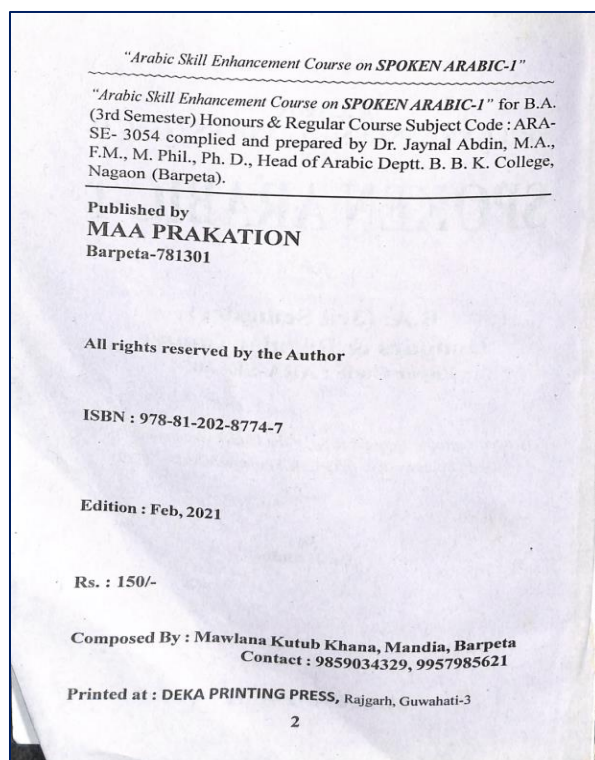
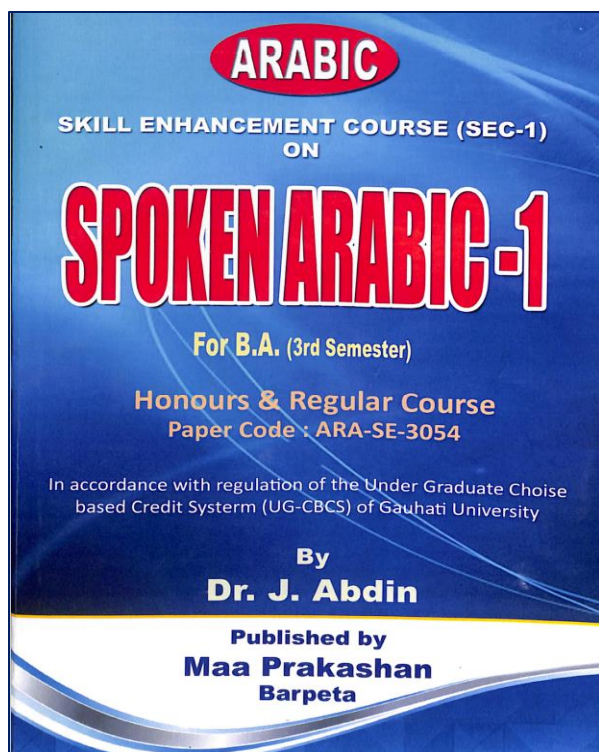


BAOSI BANIKANTA KAKATI COLLEGE

Nagaon, Barpeta
Assam – 781311 (INDIA)

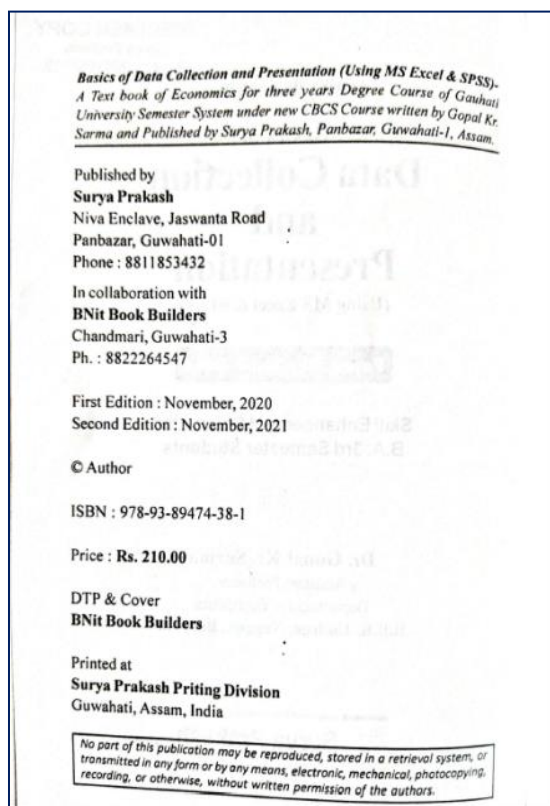
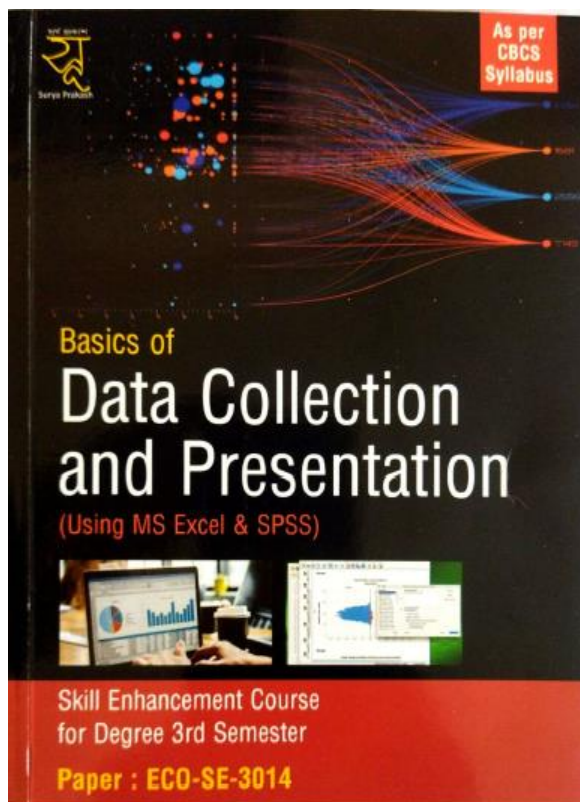
Dr. Pradip Das
Principal

23) Jaynal Abdin: Spoken Arabic-1 (2021-22)



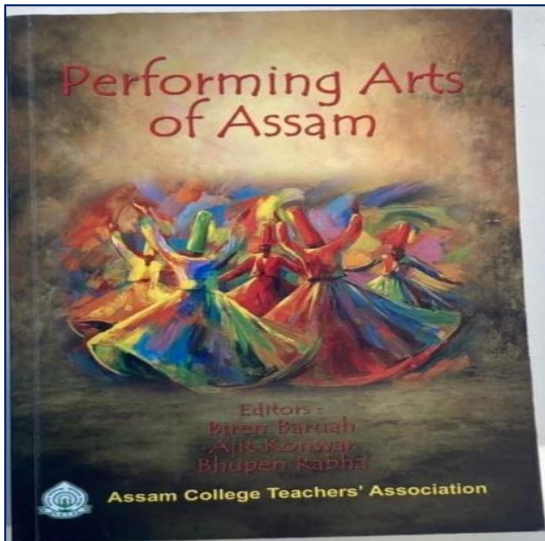
The book is print only. Web link for the book is not available

24) Dr. Gopal Kumar Sarma: Basics of Data Collection and Presentation (2021-22)



The book is print only. Web link for the book is not available

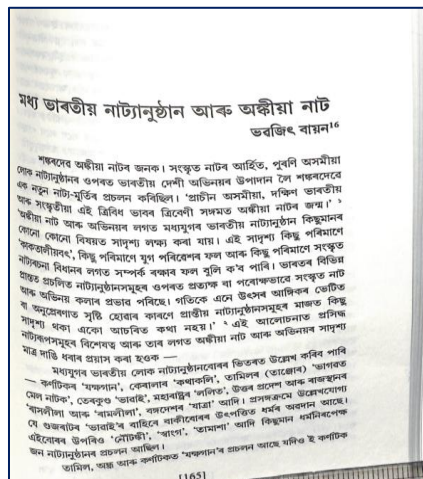
25) Bhabajit Bayan: (ISBN: 978-93-90626-97) (2021-22)



Contents :

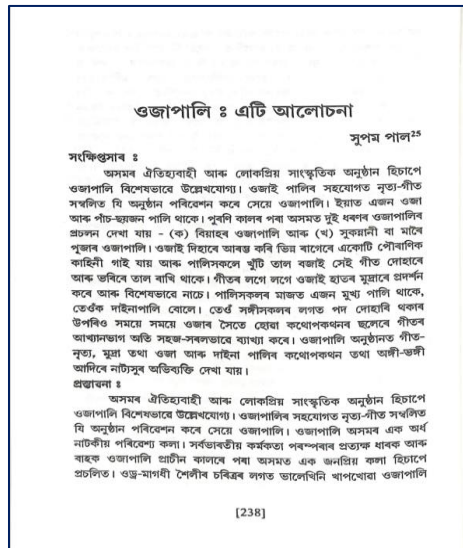
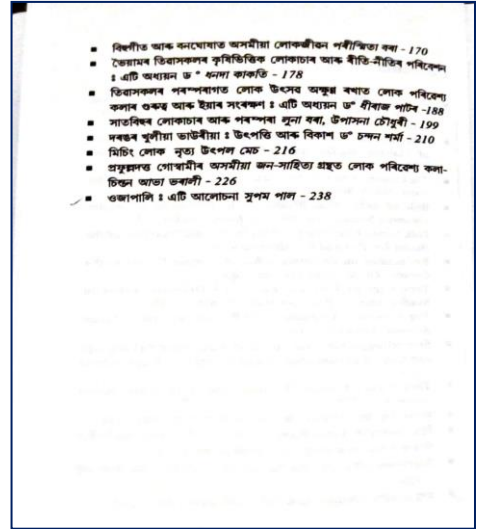
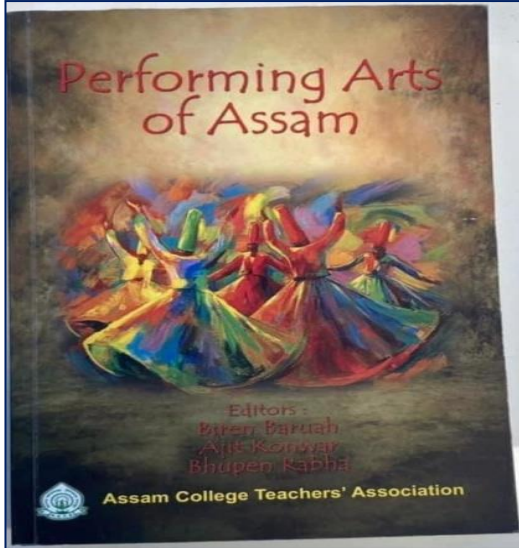
- Relocating Assamese Folklore in the Contemporary Cultural Landscape: A Study on Dr. Bhabajit Bayan's Art of Music-Making Dr. Minakshi Baidya & Dr. Anil Kumar Boro - 9
- Two Performing Art Forms: *Ojapali* of Assam and *Keertan* of Maharashtra Dr. Aparna Goswami & Dr. Minakshi Baidya - 24
- The Dances, Songs, Instruments and *Abhinaya* of Kamalabari Sana Jadau Borah - 44
- Role of *Anka Naat Bhaona* in the Formation of Greater *Oxomiya* Society Dr. Bhaskar Kumar Kakati - 58
- Folk Songs Associated with Spinning and Weavings of the Bodos Dr. Pramod Ch. Brahma - 76
- Reflections on Performing Art: Assamese Drama in the Context Dr. Monami Parasar - 83
- Treatment of *Vatsalya Rasa* as a Dramatic Ethos in Madhavadeva's *Plays Anamika Mahanta* - 90
- The *Ramayan* Tradition in the Performing Arts of Assam Sarwati Bordoloi - 100
- Storytelling: A Means to Revitalize a Disappearing Language and Culture in Northeast Thailand (Isan) Dr. Wajuppa Tossa - 119
- Tiwa Social Custom, Tradition and Life Style Ashim Hazarika - 126
- মংলা-গিৰাং ৰূপে পৰিবেশ্য কলা ড° কৰ্ণী দেৱা হাজৰিকা - 138
- হিৰা জনগোষ্ঠীৰ পোক-পৰিবেশ্য কলা 'অলিমা' গীত' আৰু 'পদালীপৰীয়া' গীত'ৰ ঐতিহ্য আৰু বিৱৰ্তন ড° জ্যোতিমতি বৰদলৈ - 144
- দিৱিগেলৰ ধৰ্মীয় লোকনৃত্য 'মিৰু দাপনো' : এটি অসোনা তৰল সঁহি 159

✓ মধ্য ভাৰতীয় নাট্যনুষ্ঠান আৰু অক্ষীয়া নাট ভৱজিৎ ৰায়না - 165



The book is print only. Web link for the book is not available

26) Supam Paul: (ISBN: 978-93-90626-97) (2021-22)



The book is print only. Web link for the book is not available

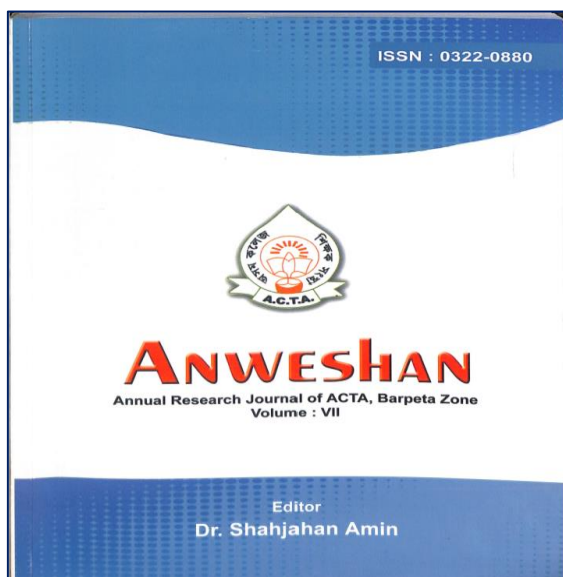


BAOSI BANIKANTA KAKATI COLLEGE

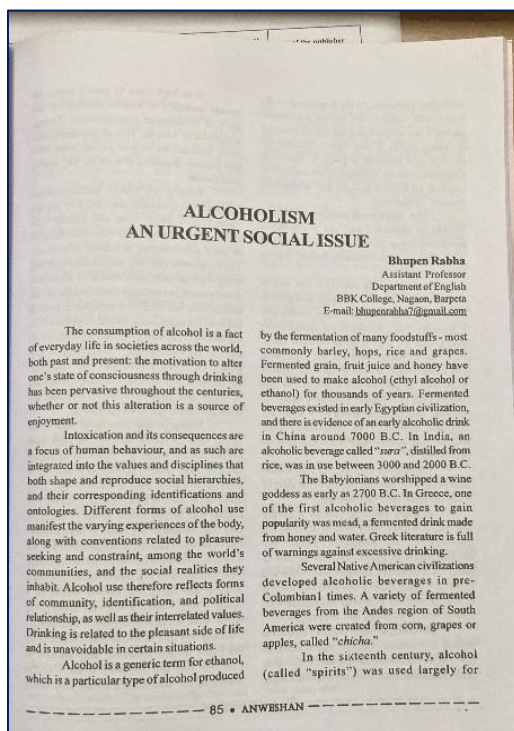
Nagaon, Barpeta
Assam – 781311 (INDIA)

Dr. Pradip Das
Principal

27) Dr. Bhupen Rabha (2021-22)

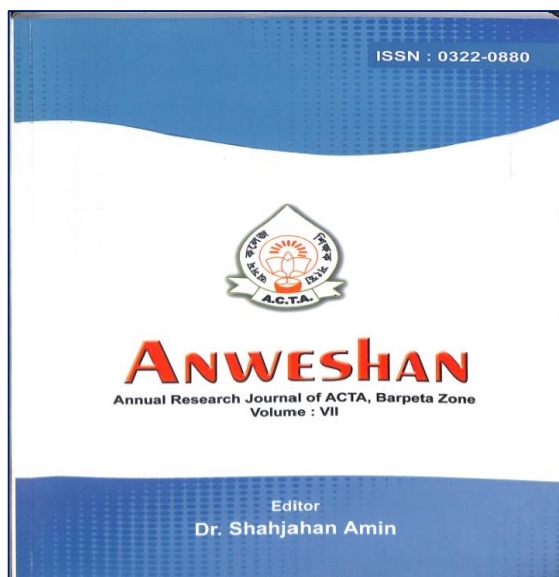


• Role of Higher Education in Human Resources Development with Special Reference to Assam – Dr. Kohinoor Rahman	60
• India's Pride: Timeless Monuments – Phulrenu Misra	67
• Plasma & Some of Its Contributions in Medical Science – Dr. Mrinal Kumar Mishra	71
• Japanese Encephalitis: An Overview – Dr. Sharmistha Chakravarty	77
• The Impact of Covid-19 Pandemic on the Economy of India— A Study – Dr. Imrul Hussain	81
• Alcoholism: An Urgent Social Issue – Bhupen Rabha	85
• Role of Education to Empower Women in our Indian Society- an Analytical Study – Purabi Talukdar	91
• Dialogues and Linguistic Style of Dr. Lakshmeenarayanan Laal – Dr. Karabi Talukdar	96
• Small Tea Growers in the Present Scenario of Assam: An Analysis – Prabodh Kalita	109
• Transforming Thought, Inspiring Civilization: An Analysis of Christian Missionaries' Works among Bodos – Dr. Khanim Barman, Jagadish Basumatary	115
• অসমীয়া নাস্তিকত্ব: এক ব্যক্তিগতমণ্ডলী সন্বেষণ ২ 'অম্বাশে' – ড° নিতু চক্ৰৱৰ্তী	122
• অসমীয়া লোক সন্নিহিত ২ বিহাৰ আৰু বৈজ্ঞানিক – ড° হেমন্ত চাকৰী	129

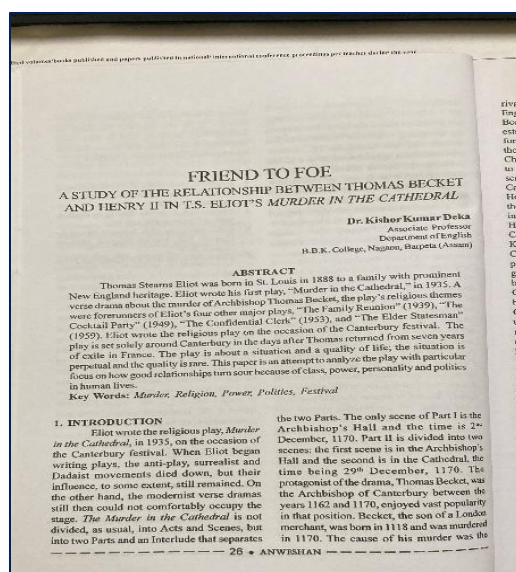


The book is print only. Web link for the book is not available

28) Dr. Kishor Kr. Deka (2021-22)

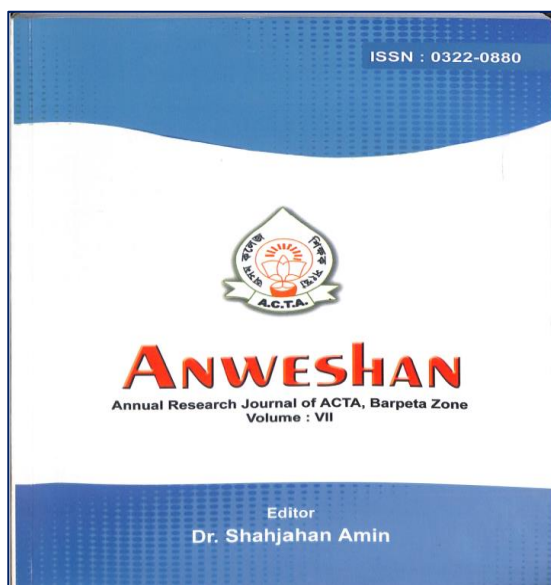


CONTENTS	
• NEP 2020: Rebuilding Indian Education – Dr. Dulmoni Goswami	9
• Exploring Masculinity in Devdutt Pattanaik's Jaya : An illustrated retelling of the Mahabharata – Manas Neog	13
• Feminine Sensibility in Kamala Das's Poetry: A Study of 'An Introduction' and 'The Old Playhouse' – Anurima Bhattacharya	20
• Friend to Foe: A Study of the relationship between Thomas Becket and Henry II in T.S. Eliot's 'Murder in the Cathedral' – Dr. Kishor Kumar Deka	26
• An Overview of Girish Karnad: The Playwright and his Major Plays – Dr. Pranjoyoti Deka	31
• The October Revolution and English literature – Dr. Sultan Ali Ahmed	36
• Visible Work, Invisible Workers: A Study on Women's Domestic Work and its Impact on the Economy – Mr. Ajanta Choudhury	41
• Economic Independence in relation to Women to Women Empowerment and Gender Equality – Dr. Kakali Hazarika	47
• Value-based Education – Dr. Dipri Kalita	51
• Role of ICT in Education – Lieutenant Dr. Shahjahan Ali	54

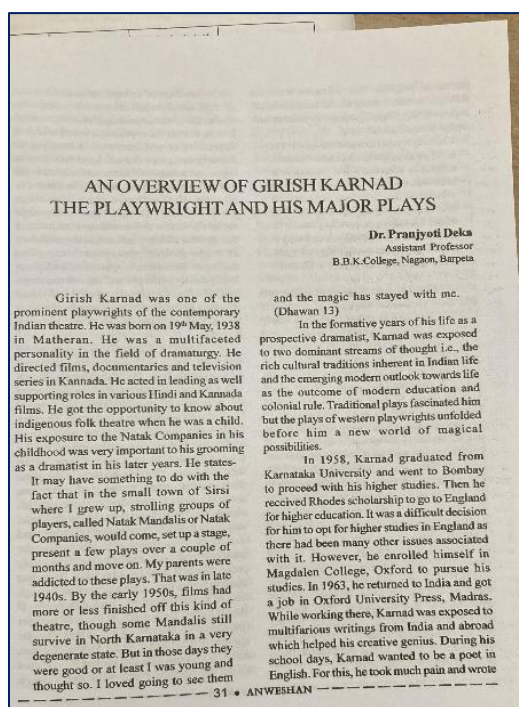


The book is print only. Web link for the book is not available

29) Dr. Pranjiyoti Deka (2021-22)

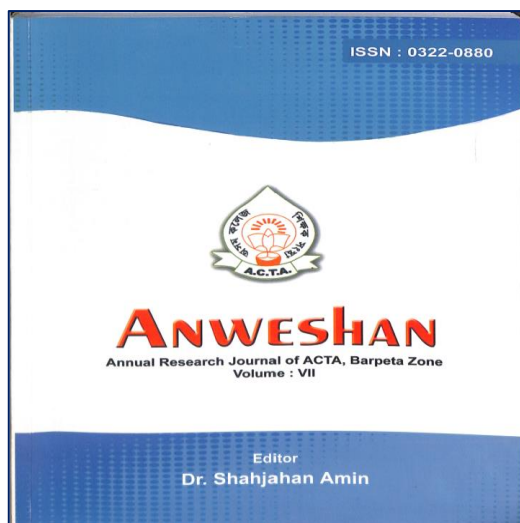


CONTENTS	
• NEP 2020: Rebuilding Indian Education – Dr. Dulmoni Goswami	9
• Exploring Masculinity in Devdutt Pattanaik's Jaya: An illustrated retelling of the Mahabharata – Manas Neog	13
• Feminine Sensibility in Kamala Das's Poetry: A Study of 'An Introduction' and 'The Old Playhouse' – Arunima Bhattacharya	20
• Friend to Foe: A Study of the relationship between Thomas Becket and Henry II in T.S. Eliot's 'Murder in the Cathedral' – Dr. Kishor Kumar Deka	26
• An Overview of Girish Karnad: The Playwright and his Major Plays – Dr. Pranjiyoti Deka	31
• The October Revolution and English literature – Dr. Sultan Ali Ahmed	36
• Visible Work, Invisible Workers: A Study on Women's Domestic Work and its Impact on the Economy – Mr. Ajanta Choudhury	41
• Economic Independence in relation to Women to Women Empowerment and Gender Equality – Dr. Kakali Hazarika	47
• Value-based Education – Dr. Dipati Kalita	51
• Role of ICT in Education – Lieutenant Dr. Shahjahan Ali	54

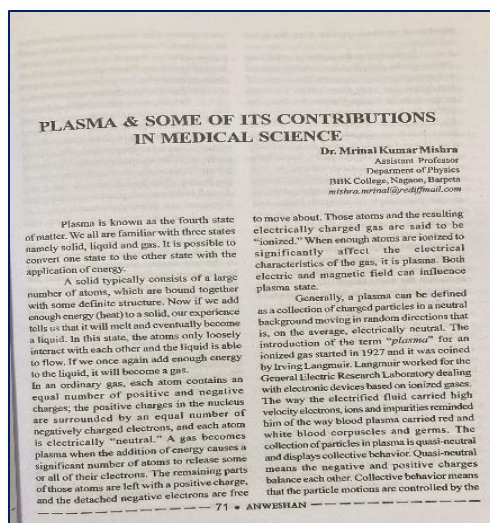


The book is print only. Web link for the book is not available

30) Dr. Mrinal Kr. Mishra

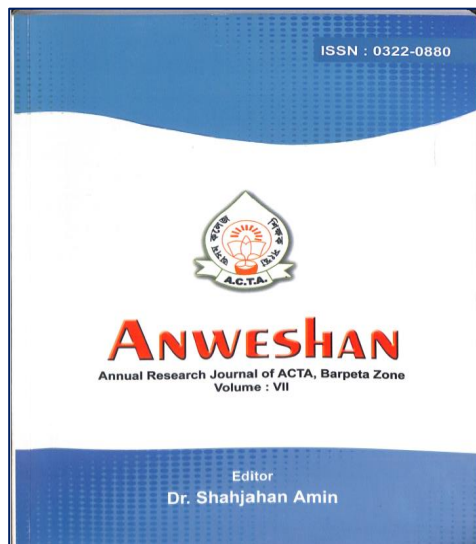


• Role of Higher Education in Human Resources Development with Special Reference to Assam – Dr. Kohinoor Rahman	60
• India's Pride: Timeless Monuments – Phulrenu Misra	67
• Plasma & Some of Its Contributions in Medical Science – Dr. Mrinal Kumar Mishra	71
• Japanese Encephalitis: An Overview – Dr. Sharmistha Chakravarty	77
• The Impact of Covid-19 Pandemic on the Economy of India— A Study – Dr. Innuil Hussain	81
• Alcoholism: An Urgent Social Issue – Bhupen Rabha	85
• Role of Education to Empower Women in our Indian Society- an Analytical Study – Parulati Talukdar	91
• Dialogues and Linguistic Style of Dr. Lakshmeenarayan Laal – Dr. Karabi Talukdar	96
• Small Tea Growers in the Present Scenario of Assam: An Analysis – Prabodh Kalita	109
• Transforming Thought, Inspiring Civilization: An Analysis of Christian Missionaries' Works among Bodos – Dr. Khanin Barman, Jagadish Basumatary	115
• কল্যাণীৰ চাৰিত্ৰিক এক ব্যক্তিগতবৰ্তী গৱেষণাখনঃ "অৰাধ্য" – "ৱা" শিঙা চৰ্ছীয়া	122
• "অৰাধ্য" চাৰিত্ৰিক আৰু ১ বিবৰণ আৰু ২ চৰ্ছীয়া – "ৱা" চৰ্ছীয়া চৰ্ছীয়া	129

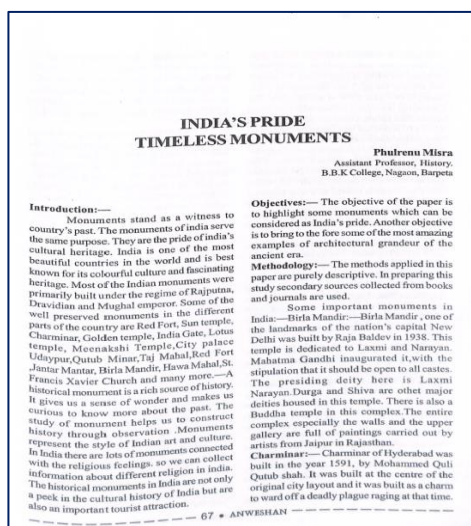


The book is print only. Web link for the book is not available

31) Phulrenu Mishra (2021-22)

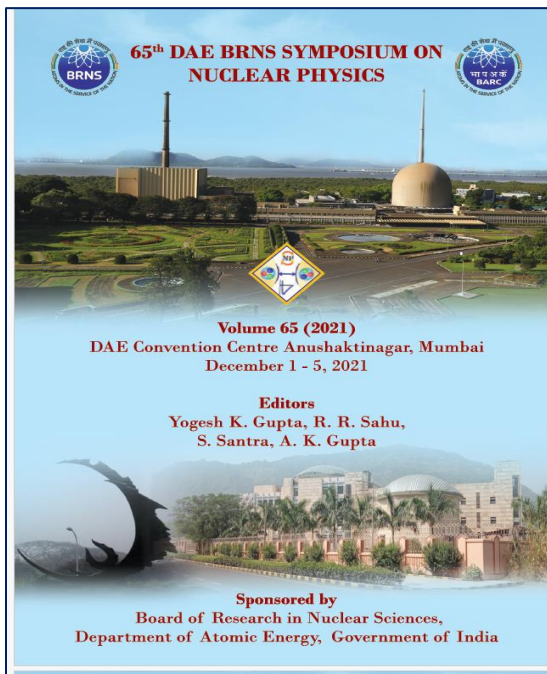


• Role of Higher Education in Human Resources Development with Special Reference to Assam – Dr. Kohinoor Rahman	60
• India's Pride: Timeless Monuments – Phulrenu Mishra	67
• Plasma & Some of its Contributions in Medical Science – Dr. Mrinal Kumar Mishra	71
• Japanese Encephalitis: An Overview – Dr. Sharmistha Chakravarty	77
• The Impact of Covid-19 Pandemic on the Economy of India— A Study – Dr. Imrul Hussain	81
• Alcoholism: An Urgent Social Issue – Bhupen Rabha	85
• Role of Education to Empower Women in our Indian Society- an Analytical Study – Purabi Talukdar	91
• Dialogues and Linguistic Style of Dr. Lakshmeenaarayan Lal – Dr. Karabi Talukdar	96
• Small Tree Growers in the Present Scenario of Assam: An Analysis – Prabodh Kalita	109
• Transforming Thought, Inspiring Civilization: An Analysis of Christian Missionaries' Works among Bodos – Dr. Khanin Barman, Jagadish Basumatary	115
• অনাৰ্জব নটক-এক ব্যক্তিগতবন্দী সত্ত্বেজান ১ 'অমৃতম' – ডা° দিত্ত তথবীয়া	122
• অসমীয়া লোক সাহিত্য ১ বিহাৰ আৰু বৈচিত্ৰ্য – ডা° মেঘন ভোলা	129



The book is print only. Web link for the book is not available

32) Harun Al Rashid: (2021-22)



- B25. Study of Charged Particles and Neutrons Emitted from a Completely Symmetric Fission-Evaporation Reaction at Various Excitation Energies, H. Arora, Shrawi, Amit, M. Kumar, C. Sharma, N. Kumar, K. S. Gola, Abhil. Jangam, P. Sugathan, Gulzar Singh, B. R. Bohara 253
- B26. Incomplete fusion for $^{16}\text{O}+^{208}\text{Po}$ system, Sankar Bhattacharyya, A. Mahdjeev, Ashish Gupta, Raghav Santra, D. Chatteropadhyay, N. Debnath, S. K. Pandit, K. Ramachandran, Sangeta Dhuri, Shilpi Gupta, V. V. Parkar, K. Mohata, A. Shrivastava, Rebecca Pachou, S. Barui 255
- B27. Fusion systematics for ^{12}C and weakly bound ^{11}B projectiles using neutron flow and collective degrees of freedom, S. Appanachand, V. V. Parkar, V. Jha, S. Kalita 257
- B28. Measurement of fusion cross section in $^{11}\text{Li}+^{207}\text{Tl}$ system, V. V. Parkar, M. Prasad, Ruchi Rathod, S. K. Pandit, V. Jha, A. Shrivastava, K. Mohata, K. Ramachandran, R. Palit, M. S. R. Lankar, B. J. Roy, A. Mitra, Bhushan Kamalakar, B. G. Hegde 259
- B29. Fusion excitation function studies in the reactions forming ^{138}Ba , A. C. Hathi, E. Prasad, S. Nath, N. Mathavan, J. Gehlot 261
- B30. Theoretical analysis of fusion excitation function measurement for $^{18}\text{O}+^{116}\text{Sn}$ system, N. Deh, H. Rashid, A. Das, K. Kalita 263
- B31. Probing Shell Closure Effect via Evaporation Residue Excitation Function Measurements for $^{48}\text{Ti}+^{140}\text{Ce}$ Systems, Devinder Pal Kaur, B. R. Bohara, N. Mathavan, S. Nath, J. Gehlot, A. Kaur, Raghav, Goniha, R. Biswas, Subodh, Amit, A. Parthari, K. Rani, H. Arora, Shrawi, S. Pal 265
- B32. Statistical model calculations for the decay of ^{262}Ra compound nuclei at near barrier and above barrier energies, Amit, B. R. Bohara, Chetan Sharma 267
- B33. Impact of static and dynamic deformations in the decay of ^{262}Ra compound nucleus, Gayatri Sarin, Ananddeep Kaur, Mounika Mitti, Manoj K. Sharma 269
- B34. Comparisons of evaporation residue cross-section of ^{40}Ca and ^{40}Ar induced reactions on W isotopes, P. Jha, A. M. Vinodkumar, S. Samita, K. Arjun, B. R. S. Babu, J. Gehlot, S. Nath, N. Mathavan, Biswas Rohan, A. Parthari, A. Vinayak, Mahato Anuraj, A. C. Hathi, E. Prasad 271
- B35. Investigation of the reaction partners for the formation of super heavy elements and different decay modes, Parvinder Singh, Manpreet Kaur, Divyanshu Singh, Jagtar Singh, Ananddeep Kaur 273
- B36. Studies on probable chances of decay of super heavy element ^{294}Ts , Tina Ann Jose, K. P. Sankarsh 275
- B37. Thermodynamic temperature and level density of ^{88}Sr , M. Gontha, Agastha Das, G. Nanyu, S. Sankarsh Kumar 277
- B38. Exploring collective enhancement of nuclear level density, G. Mohanta, P. C. Rout, K. Ramachandran, K. Mohata, E. T. Mayale, S. Srivastava, A. Kunda, A. Baisiyya, Ramandeep Gandhi, T. Sankarsh, A. Pal, S. Joshi, S. Santra, D. Patel, Prashant N. Patel, S. P. Bohara, N. K. Moha, D. Dutta, A. Santra, B. K. Nayak, Priyanka Thakurvaran 279
- B39. On collective enhancement of Nuclear level density, T. Sankarsh, P. C. Rout, G. Mohanta, A. Baisiyya, Ramandeep Gandhi, A. Pal, S. Santra, Sangeta Dhuri, S. K. Pandit, A. Shrivastava 281
- B40. Collective enhancement in nuclear level density of ^{74}Ge from particle-gamma coincidence measurement, Raghav Santra, Subir Roy, Badam Dey, R. Palit, Vishal Malik, H. Pal, M. S. R. Lankar, S. Raghav, Sigid Ali, S. Bhattacharyya, Anjali Mahdjeev, S. Jadhav, B. S. Nandi, A. Mahdjeev 283

Theoretical analysis of fusion excitation function measurement for $^{18}\text{O}+^{116}\text{Sn}$ system

Nabendu Kumar Deb¹, Harun Al Rashid^{1,2}, Amar Das^{1,3}, Kushal Kalita¹

¹Nuclear Detector R&D Lab, Department of Physics, Gauhati University, Jorhat, Assam-781014, India
²Department of Physics, BBK College, Nagaon, Barpeta - 781311, India
³Department of Physics, Sree Dax College, Dibrugarh - 786102, India

* email: nd_globe@yahoo.co.in

Introduction

Nuclear fusion cross section around the Coulomb barrier reveals varieties of phenomena. One such phenomenon is the enhancement of the sub-barrier fusion cross section as compared to the theoretical predictions of 1-D barrier penetration model (BPM) [1]. Such enhancement occurs due to the coupling of relative motion to internal degrees of freedom of the colliding nuclei such as deformation [2], vibration [3], nucleon transfer [4] and neck formation [5] between the two interacting nuclei. These couplings often lower the barrier height by modifying the one dimensional Coulomb barrier into multiple potential barriers which then cause enhancement of fusion cross-sections [6]. With the theoretical models available, these effects of inelastic excitations could be explained reasonably well within the quantum coupled channel (QCC) approach and the empirical coupled channel (ECC) approach [7]. However, the role of the neutron transfer on the heavy ion sub-barrier fusion is still not fully resolved. This is mainly because of the challenges to account for the intricate mechanism of transfer channels in the theoretical models, as the chargeless neutron, unaffected by the Coulomb barrier, can freely flow from one collision partner to the other even at large internuclear distances [8].

Neutron transfer plays a vital role in the enhancement, especially, for the systems having positive Q value of few neutrons transfer, as it causes a considerable shift in the barrier height [9]. A series of studies were done, eventually, to extricate the PQNT effect on the fusion cross section. It has been observed that a large enhancement of fusion cross-section below the uncoupled Coulomb barrier occurred due to neutron transfer channels for some of the fusing systems having positive Q-value for the transfer

channel. On the contrary, there are some systems having PQNT channels which do not show any enhancement of the sub barrier fusion cross sections [11]. Recently, fusion excitation function measurement was carried out for the $^{18}\text{O}+^{116}\text{Sn}$ system and has been observed that positive Q-value for the neutron transfer channels for this system plays the role behind the enhancement of the sub-barrier fusion cross section [10]. This was evident as in Fig. 1 when it was compared with the similar system [11] having negative Q-value in the reduced scale [9]. Here, in this work, theoretical analysis has been done further using semi-classical approach via ECC model of Zagrebaev et al. [7] to further ascertain the role of neutron transfer.

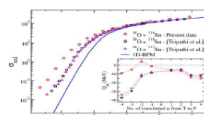
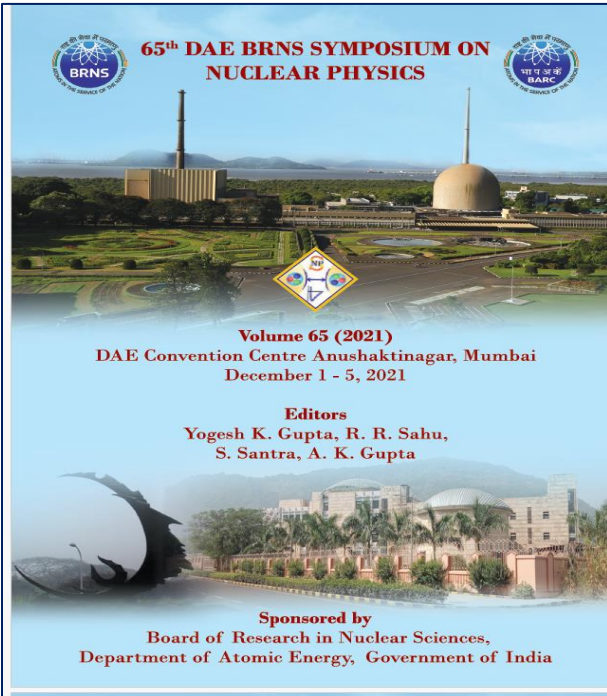


Fig. 1 Comparison of fusion excitation function for similar systems in reduced scales along with their Q-values for various neutron transfer in its inset.

This model includes inelastic as well as multi-neutron transfer channels for fusion cross-section calculations. In the ECC approach, the neutron rearrangement was consistently incorporated using the semi-classical approximation for the transfer probability [4].

[Link for the chapter of proceedings](#)

33) Harun Al Rashid (2021-22)



B84. Fusion in completeness is not a cluster projectile: Role of excess neutrons, Montazer Gull, Sahir Ali, Kamal Kumar, I.A. Rizvi, Rakesh Kumar, Arinash Aggarwal, Sami Prigipati, Manish Kumar, Abhishek Yadav	371
B85. Study of incomplete fusion dynamics in the light of critical angular momentum and universal fusion function, Montazer Gull, Sahir Ali, K. Kumar, I.A. Rizvi, T. Ahmad, S. Dutt, R. Kumar, A. Aggarwal, A.K. Chaudhary, Raminia Jan, Nazma Shabir, Bisma Amin	373
B86. Investigation of fusion excitation functions for $^{16}\text{O} + ^{140}\text{Ba}$ system using CDCC approach, Chetna, Md. Moen Shakh, Pardeep Singh, Rajesh Khurab	375
B87. Study of decay of ^{20}Ne formed in $^{16}\text{O} + ^{20}\text{Ne}$ and $^{16}\text{O} + ^{24}\text{Mg}$ fusion reactions using KDM1 Skyline Force, Anam Deep, Vijay, Nirupama Kumari, Rajesh Khurab, Sahib Chupra	377
B88. Impact of optical model potential parameters and deformity of target nuclei on fractional incomplete fusion, Alpna Ojha, Santia Gupta, Umata Gupta, Abhishek Yadav, Pralendra P. Singh, Mohd Shauk, B. P. Singh, R. Prasad	379
B89. Study of angular momentum hindrance due to mass variation in heavy ion fusion reaction, Sarjeto Gani, Punit Dubey, A. Goudi, Anam Sharma, Mahesh Choudhary, Navrati Singh, Mahima Upadhyay, A. Kumar	381
B90. Measurement of angular distributions of evaporation residues populated through complete and incomplete fusion in $^{16}\text{O} + ^{140}\text{Nd}$ system, Nitin Sharma, Dharmendra Singh, Anvita Mahapatra, Pankaj K. Giri, Shekha B. Landa, Harish Kumar Sahai, A. Tali, M. Afzal Anvari, I. Ahmad, Sushil Kumar	383
B91. Analysis of fusion reaction data for $^{18}\text{Si} + ^{208}\text{Pb}$ and $^{28}\text{Si} + ^{208}\text{Pb}$ at energies around Coulomb barrier, Simran Kaur, Pardeep Singh	385
B92. Analysis of fusion reactions data involving weakly bound, ^6Li , projectile using BW91 and AW95 parameterization schemes, Neha Rani, Pardeep Singh, Monika Monica, Rajiv Kumar, Rajesh Khurab	387
B93. Study of decay of ^{20}Ne formed in $^{16}\text{O} + ^{24}\text{Mg}$ fusion reactions by using KDM1 Skyline Force, Nirupama Kumari, Anam Deep, Rajesh Khurab	389
B94. Fusion suppression on nuclear reaction induced by loosely bound projectiles, Amar Das, Kushal Kalita, Nabendu Kumar Deb, Harun Al Rashid	391
B95. Heavy ion fusion of strongly bound ^{40}Ar on ^{140}Nd using proximity potential, M. G. T. Sankararajulu, K. P. Santhosh, K. M. Nissamuddin	393
B96. Study of probable target-projectile combinations for the synthesis of ^{244}Pu using the Skyline energy density formalism, Shubhpreet Kaur, Manoj K. Sharma, and Raj Kaur	395
B97. Strength of shell closures against excitation energy of a compound nucleus: The decay of ^{204}Th , Dulip Verma	397
B98. Exploration of different constraints of fragmentation potential of a light mass compound nucleus, Monika Sharma, Sarjeto Kaur, Manpreet Kaur, Navjot Kaur, Birbikram Singh	399
B99. Excitation function of the $^{74}\text{Ge} + ^{64}\text{Zn}$ reaction cross section in the incident neutron energy range 0.6-1.1 MeV, Rebecca Pachman, A. Goudi, Navrati Singh, Mayur Mishra, I. S. Datta, S. V. Suryanarayana, B. K. Nayak, A. Kumar, B. Lalremruata	401
B100. Investigation of reaction dynamics around the Coulomb barrier for $^{28}\text{Si} + ^{140}\text{Nd}$ systems, Ajayali Rani, S. Mandal, N. Madhavan, S. Nath, J. Gehlot, Goudi, K. Chakraborty, R. Gupta, C. V. Ahmad, A. Parthasar, Rohan Biswas, Shashi Nair, D. Mahabharata, P. Khadivalwal, Chandra Kumar, P. S. Rawat, P. Shurpa, S. Kumar	403
B101. Decay chain of ^{228}Ra , K.V. Srihar, J. Sonappa, H. C. Manjunatha	405
B102. De-excitation of ^{20}Ne , Goudi, A. Parthasar, J. Gehlot, S. Nath, Santanu Pal	407
B103. Neutron multiplicity in the proton-fusion of some actinides, F. A. Khan	409
B104. Fusion partitions a reflection of the structure of fission fragments: The decay of ^{20}Am excited at 43 MeV, Dulip Verma, Monika Monica	411

Fusion suppression on nuclear reaction induced by loosely bound projectiles

Amar Das^{1,2,*}, Kushal Kalita¹, Nabendu Kumar Deb¹, Harun Al Rashid^{1,3}

¹Nuclear Detector R&D Lab, Department of Physics, Gauhati University, Gauhati-781014, India

²Department of Physics, Srima Dax College, Hajy-781102, India

³Department of Physics, BBK College, Nagaon, Barpeta-781311, India

* email: amarbdas@gmail.com

Introduction

Due to the availability of intense beams and the improved experimental facilities in the recent decades, a renewed interest has been developed towards understanding of fusion cross section [1]. In loosely bound projectiles like ^6Li , ^7Be , etc. emanates interesting phenomenon towards fusion reaction as separation energy of these nuclei are low and hence have high chances for breakup. As an instance, ^6Li breakup into $^3\text{H} + ^3\text{He}$ and ^7Be breaks up into $^4\text{He} + ^3\text{He} + n$ with separation energy 1.48 MeV, 1.67 MeV respectively. The breakup threshold energy in this case is low due to which the breakup probability of this nucleus as a projectile rises and hence forms the basis of numerous experiments. These projectiles directly break up when it is projected with certain energy towards the heavier target nuclei during fusion process. Such occurrences were observed in at least four different types of events: projectile fusing with target without breakup, a case of direct complete fusion (DCF); projectile breaking up into fragments which then later fuses with target, a case of sequential complete fusion (SCF); one of the breakup fragments fusing with target, a case of incomplete fusion (ICF); and none of the breakup products and the target fuse with one another, a case of no capture breakup (NCBU).

In such cases, theoretical cross sections are expected to be higher than the corresponding experimental values a phenomenon commonly known as fusion suppression.

Various versions of the classical model are available in the literature to explain the fusion suppression of systems involving weakly bound projectile. Classical trajectory model [1] can easily identify scattering, no-capture breakup and incomplete fusion. It can also be incorporated in the CDCC formalism. Modified version of this

model, classical dynamical model [2] developed later could determine the breakup of the projectile by empirically obtaining breakup probability function whose parameters are obtained from sub-barrier no capture breakup measurements. This method could successfully determine the breakup yields and the fusion suppression factors for a number of systems. In this paper, we will present a modified formula in place of the formula used by Plesouk et al [3] for the fusion suppression factor and then apply the same for the reactions $^6\text{Li} + ^{10}\text{B}$, $^{10}\text{B} + ^{10}\text{B}$ and $^7\text{Be} + ^{10}\text{B}$ whose fusion excitation data are available in the Refs. [4,5,6] and where fusion suppression is observed.

Theory

The three-body Lagrangian, as shown in equation 1, in two dimensions are constructed for the projectile and the target system with the assumption that the projectile is two-point particles [1]. The Wood-Saxon form of the nuclear potential is used here whose parameters were taken from optical model analysis of the elastic scattering data

$$L = \frac{1}{2} m_1 (\dot{q}_1^2 + \dot{p}_1^2) + \frac{1}{2} m_2 (\dot{q}_2^2 + \dot{p}_2^2) + \frac{1}{2} m_3 (\dot{q}_3^2 + \dot{p}_3^2) - V \quad (1)$$

And $V = V_{12} + V_{13} + V_{23}$

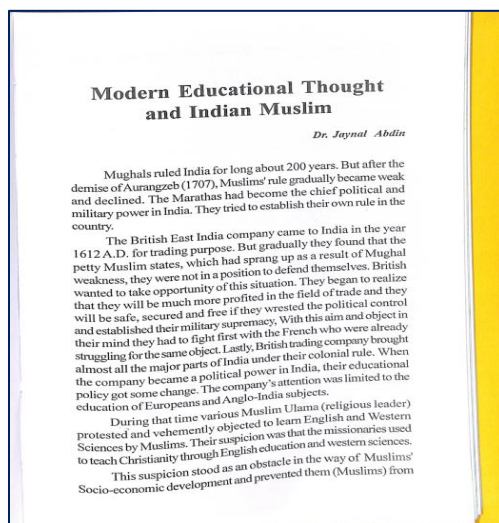
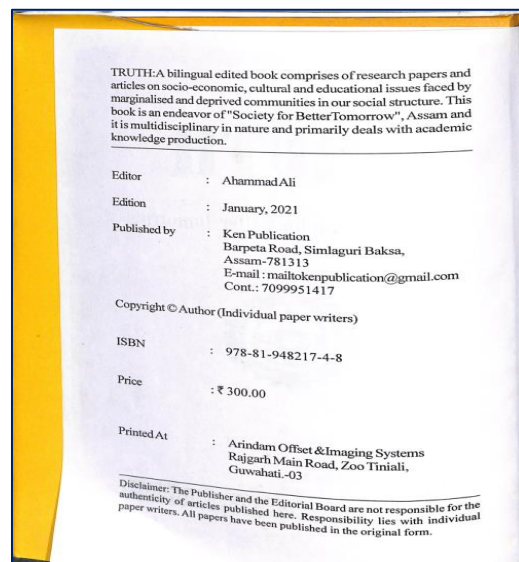
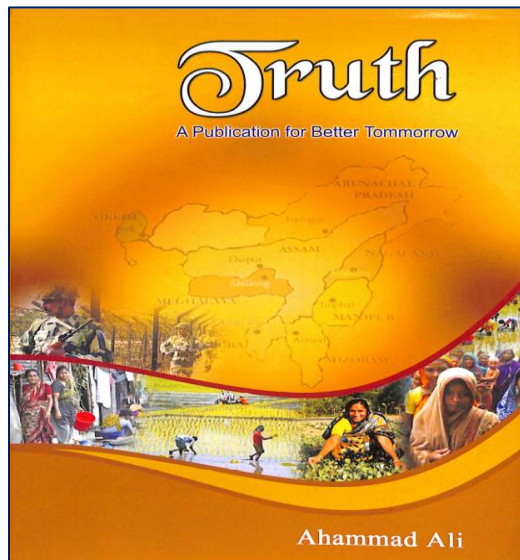
The detail about the interaction potential is taken from Ref. [2].

Methodology

The difference between theoretical and experimental cross section (Fusion suppression) is due to the fraction of projectile break-up near the heavy target. For large number of trajectories, we define breakup fraction as

[Link for the chapter of proceedings](#)

35) Dr. Jaynal Abdin (2021-22)



The book is print only. Web link for the book is not available

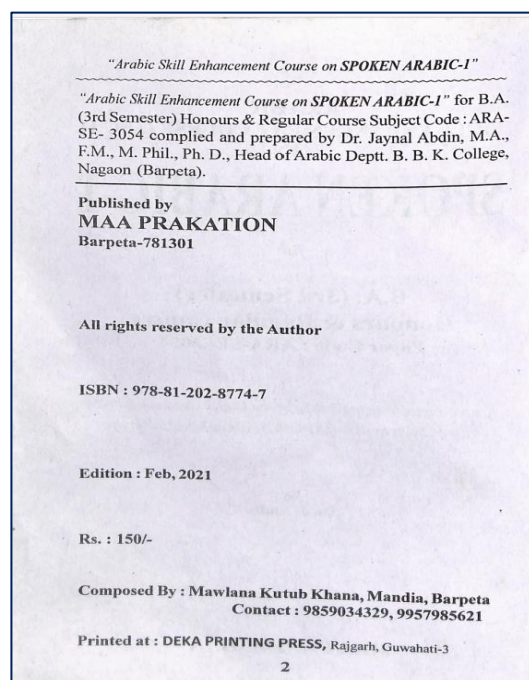
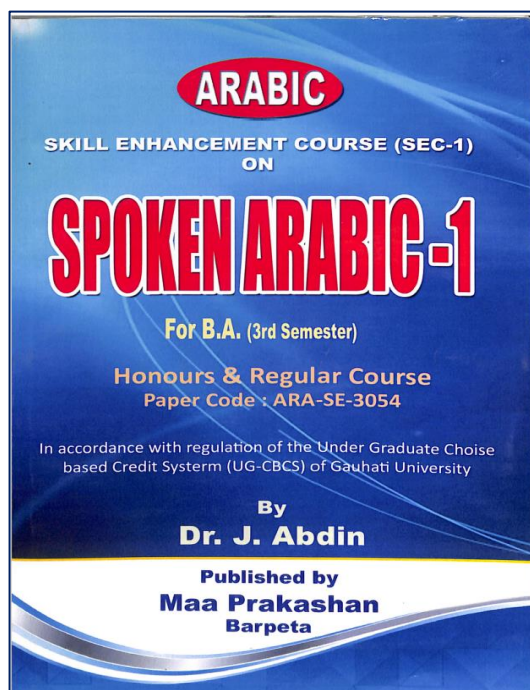


BAOSI BANIKANTA KAKATI COLLEGE

Nagaon, Barpeta
Assam – 781311 (INDIA)

Dr. Pradip Das
Principal

36) Dr. Jaynal Abdin: Spoken Arabic (2022-23)



The book is print only. Web link for the book is not available



BAOSI BANIKANTA KAKATI COLLEGE

Nagaon, Barpeta
Assam – 781311 (INDIA)

Dr. Pradip Das
Principal

37) Harun Al Rashid (2022-23)

Pratibha
Vol.-VIII, November, 2022-23 ISSN 2278-5590

Variation of neutron transfer form factor on the sub-barrier fusion cross section

Nabendu Kumar Deb^{1,2,*}, Harun Al Rashid^{1,3},
Amar Das^{1,4}, Lakhyajit Sarma¹ and K. Kalita¹

¹Department of Physics, Gauhati University, Jalukbari, Guwahati-781014, Assam
²Department of Physics, Kamrup College, Chamata, Nalbari-781306, Assam
³Department of Physics, BBK College, Nagaon, Barpeta-781311, Assam
⁴Department of Physics, Suren Das College, Hajo-781102, Assam

Abstract

Fusion excitation functions for $^{18}\text{O} + ^{116}\text{Sn}$ system have been reanalysed in the energy regime below the Coulomb barrier, where enhancement of the experimental fusion cross sections were observed compared to that of the predictions of the simple barrier penetration model. To understand such enhancement, analyses were carried out in the framework of different values of transfer coupling strength or transfer form factor in the coupled channels formalism. The ground state Q value is positive for this system. A comparative study of the system with various coupling schemes indicated that the coupling of 2 neutron transfer channel with the collective excitations is the reason behind such sub-barrier fusion enhancement. To carry out such calculations considering neutron transfer coupling, a parameter called transfer form factor is required which depends on a factor called transfer coupling strength. It is found that on increasing or

104
WSRC, Rangia College

The book is print only. Web link for the book is not available

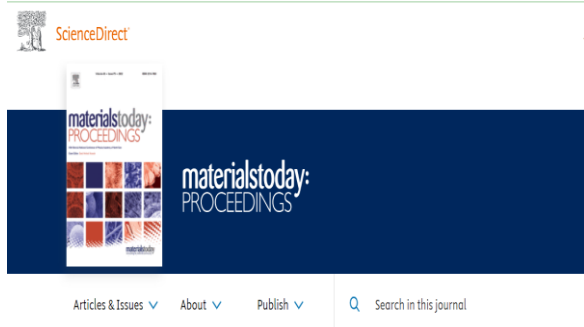


BAOSI BANIKANTA KAKATI COLLEGE

Nagaon, Barpeta
Assam – 781311 (INDIA)

Dr. Pradip Das
Principal

39) Harun Al Rashid (2022-23)



XIIth Biennial National Conference of Physics Academy of North East

Copyright © 2022 Elsevier Ltd. All rights reserved. Selection and peer-review under responsibility of the scientific committee of the XII th Biennial National Conference of Physics Academy of North East (PANE 2021).

Edited by Dr Syed Arshad Hussain - sahussain@tripurauniv.ac.in
Volume 65, Part 5,
Pages 2473-2904 (2022)

☐ Research article ☐ Abstract only

Study on the structural and electrical transport properties of $\text{YMn}_{0.9}\text{Cr}_{0.1}\text{O}_3$

Lisham Paris Chanu, Sumitra Phanjoubam
Pages 2645-2650

Article preview

☐ Research article ☐ Abstract only

Substituting oxidizing material and parting agent selection in the fabrication of nuclear target

Nabendu Kumar Deb, K. Kalita, Harun Al Rashid, Amar Das, ... Saumyajit Biswas
Pages 2651-2656

Article preview

☐ Research article ☐ Abstract only

Studies on electron traps in NaI: Tl scintillating crystal by thermoluminescence

Moirangthem Nara Singh, R.K. Gortia
Pages 2657-2660

Article preview

☐ Research article ☐ Abstract only

Structural, optical and frequency dependent dielectric studies of nanoscale $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ processed non-aqueous route



Substituting oxidizing material and parting agent selection in the fabrication of nuclear target

Nabendu Kumar Deb^{a,*}, K. Kalita^b, Harun Al Rashid^{a,b}, Amar Das^{a,c}, Pankaj K. Giri^{d,e}, G.R. Umapathy^f, Saumyajit Biswas^g

^a Department of Physics, Gauhati University, Gauhati-781014, Assam, India
^b Department of Physics, BBK College, Nagaon, Barpeta-781311, Assam, India
^c Department of Physics, Sures Das College, Nijoi-781302, Assam, India
^d Department of Physics, Central University of Jharkhand, Ranchi-835205, Jharkhand, India
^e Department of Physics, Chaudhary University, Mohali-140413, Punjab, India
^f Fusion University Accelerator Centre, Arava And All Ming, New Delhi-110002, India
^g Department of Physics, Marudhatal College of Engineering and Technology, Bhatnagar-742302, West Bengal, India

ARTICLE INFO

Article history:
Available online xxx

Keywords:
Physical vapour deposition
Nuclear reaction studies
Oxidant target fabrication
Thin film
The RBS
Alpha energy loss thickness measurement

ABSTRACT

In order to perform certain heavy ion nuclear reaction experiments, the enriched targets of stable isotopes ^{140}Nd , ^{150}Sm , ^{154}Sm and ^{162}Nd have been fabricated by adapting physical vapour deposition technique at IAC, New Delhi using a high vacuum evaporation chamber facility. Target materials are evaporated on a thin lower Z backing material. Fabrication of targets of materials which get readily oxidized poses lot of challenges. To avoid oxidation, appropriate capping along with backing is provided. To avoid contamination in the target, environmental condition and the proper selection of parting agent is also important. Role of encapsulation in minimizing the oxidation and the contamination level from parting agents in the targets is reported in this work. The thicknesses of the targets are verified using profilometer, α -energy loss technique. The purity of the fabricated targets is confirmed using RBS technique. Copyright © 2022 Elsevier Ltd. All rights reserved.

Selection and peer-review under responsibility of the scientific committee of the XII th Biennial National Conference of Physics Academy of North East (PANE 2021)

1. Introduction

Nuclear reaction studies require a good quality and homogeneous target with uniform thicknesses [1], which poses an arduous challenge during its fabrication. To study heavy-ion induced nuclear reactions with ^{16}O and ^{18}O elements using mass analyzer, where the reaction products of different masses are dispersed at its focal point with good mass resolution, thin self-supporting targets are preferred. To measure Fusion Excitation Function [2,3] and to study the role of various entrance channel parameters viz., mass-asymmetry of the system, target deformation etc. on the incomplete fusion dynamics [4]; a series of experiments were to be done to perform excitation functions and Forward Recoil Range Distribution (FRRD) measurements using the alpha and non-alpha clusters ion beam with enriched ^{140}Nd and ^{150}Sm and ^{154}Sm targets. Through these measurements, a systematic study of low-energy fusion in these systems will be carried out to observe the effect of target deformation on incomplete fusion dynamics and hence a comparative analysis will be carried out. The Sm and Nd isotopes that are considered here consist of the pair of both deformed and spherical nuclei. The measurements with these systems are yet to be done which will contribute in the development of a theoretical model to explain incomplete fusion dynamics which is still an unresolved area of investigation [4]. Thermal evaporation techniques or resistive heating methods are the most effective methods to obtain such thin self-supporting targets [5]. But due to certain experimental limitations, target materials are evaporated on a thin lower Z backing material (e.g. carbon foil ($\approx 30 \mu\text{g}/\text{cm}^2$)) through which the energy loss and

etc. on the incomplete fusion dynamics [4]; a series of experiments were to be done to perform excitation functions and Forward Recoil Range Distribution (FRRD) measurements using the alpha and non-alpha clusters ion beam with enriched ^{140}Nd and ^{150}Sm and ^{154}Sm targets. Through these measurements, a systematic study of low-energy fusion in these systems will be carried out to observe the effect of target deformation on incomplete fusion dynamics and hence a comparative analysis will be carried out. The Sm and Nd isotopes that are considered here consist of the pair of both deformed and spherical nuclei. The measurements with these systems are yet to be done which will contribute in the development of a theoretical model to explain incomplete fusion dynamics which is still an unresolved area of investigation [4]. Thermal evaporation techniques or resistive heating methods are the most effective methods to obtain such thin self-supporting targets [5]. But due to certain experimental limitations, target materials are evaporated on a thin lower Z backing material (e.g. carbon foil ($\approx 30 \mu\text{g}/\text{cm}^2$)) through which the energy loss and

Abbreviations: FRRD, Forward Recoil Range Distribution; IAC, Inter University Accelerator Centre; TPD, Thermal Deposition; TPL, Diffusion Pump based coating Unit; TPL, Turbopump based coating Unit; LN, Liquid Nitrogen; e-gun, electron gun; SEM, The Scanning and Range of ions in Matter; RBS, Rutherford Back Scattering; RIMP, RBS Universal Master File; RBS, Rutherford Back Scattering; TGF, Time of Flight.

* Corresponding author.
E-mail address: nkd@bbkcollege.co.in (N. Kumar Deb).

<https://doi.org/10.1016/j.matpr.2022.04.975>

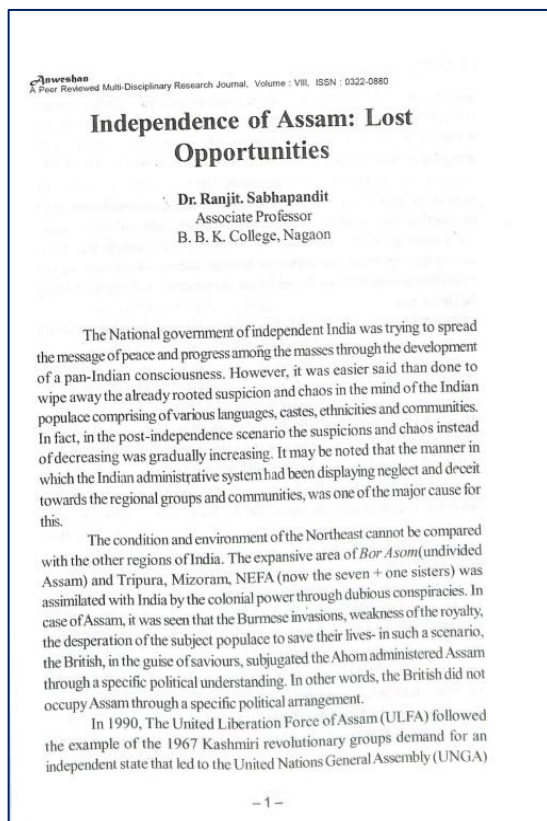
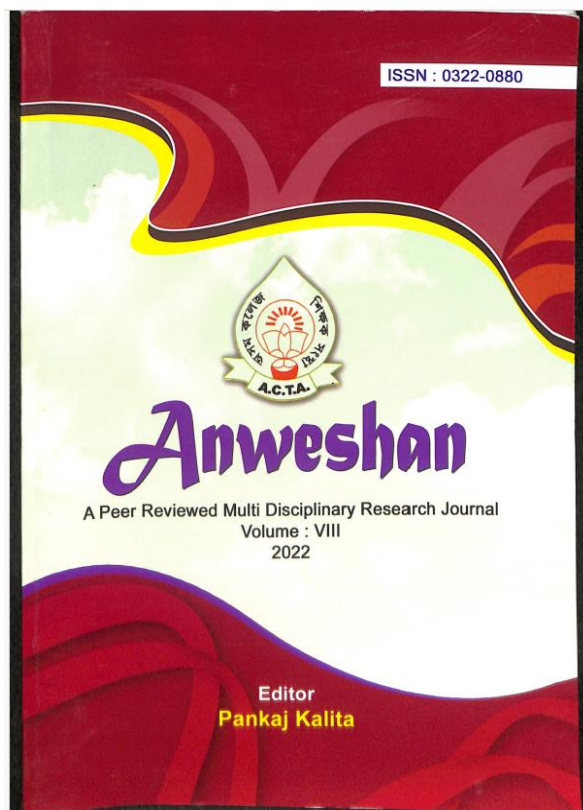
2214-7853/Copyright © 2022 Elsevier Ltd. All rights reserved.

Selection and peer-review under responsibility of the scientific committee of the XII th Biennial National Conference of Physics Academy of North East (PANE 2021).

Please cite this article as: N. Kumar Deb, K. Kalita, H. Al Rashid et al., Substituting oxidizing material and parting agent selection in the fabrication of nuclear target, Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2022.04.975>

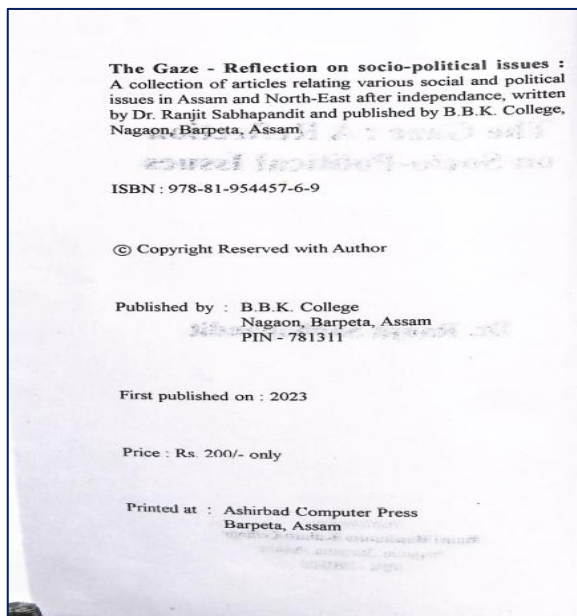
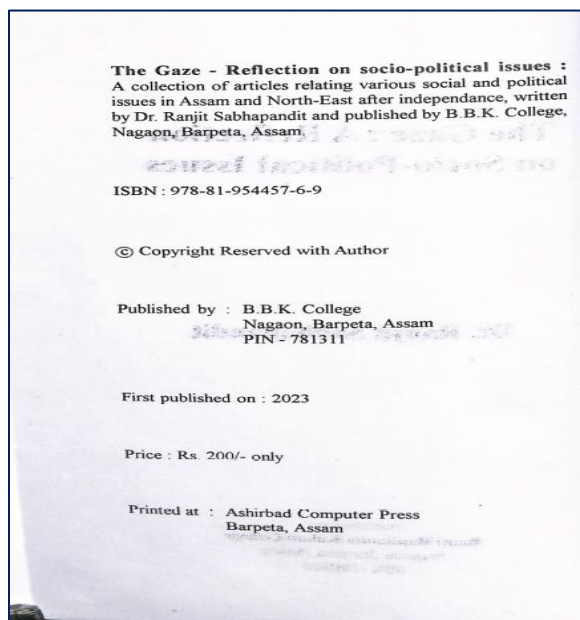
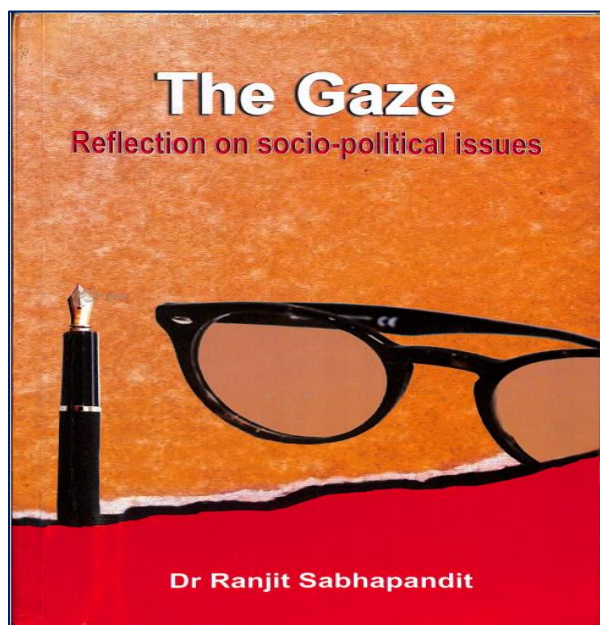
[Link for the chapter of proceedings](#)

40) Dr. Ranjit Kumar Sabhapandit (2022-23)



The book is print only. Web link for the book is not available

41) Dr. Ranjit Kumar Sabhapandit (2022-23)



The book is print only. Web link for the book is not available

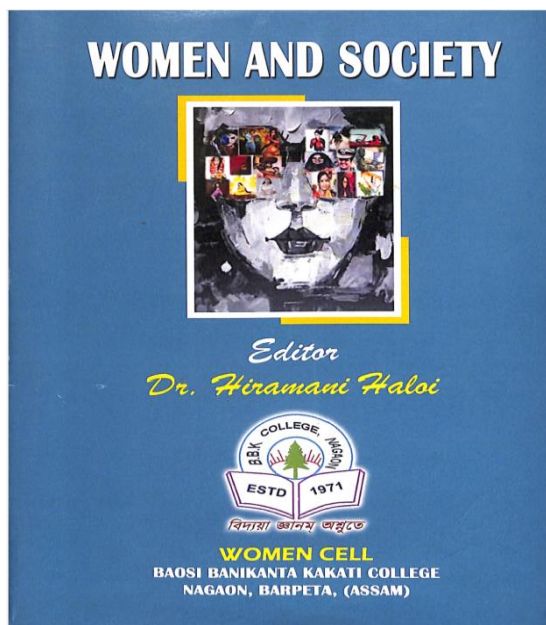


BAOSI BANIKANTA KAKATI COLLEGE

Nagaon, Barpeta
Assam – 781311 (INDIA)

Dr. Pradip Das
Principal

42) Prabha Kumari Devi (2022-23)



CONTENT	
Part - I	
• Women EMPOWERMENT : A NECESSARY TOOL	Prabha Kumari Devi 1
• Media and Women Empowerment in Assam	Dr. Hiramani Haloi 7
• Role of NGOs and Government Agencies to Empower the Women for Rural Development	Dipak Ray Choudhury 17
• WOMEN IN INDIAN HISTORY	Phulrena Misra 26
• The Portrayal of Women in Media with special reference to Assam : a Critical Analysis	Dr. Joyjit Deka 31
• Women in medicinal research, challenges and government approach	Kabyashree Phukan 37
• Women, Leadership and the Political Realm of Assam During Indian Freedom Movement : An overview	Porti Borah 42
• Contribution of Educators towards women Education	Manalisha Tumulung 48
• Women Environmentalists	Dr. Sudhana Medhi 53
• Women role in the environment: An overview of Chipko movement	Serdinua Teronpi 57
• The Need And Importance of Women Education	Azizur Rahman 68
• Women empowerment in India	Rashmi Rekha Das 65
• Bio-Social aspects of Health in Tribal women	Haripriya Das 72
• Women Literacy in India : A Study	Ridip Lahkar 82
• Common Health Concerns and Solutions for Health Problems among Indian Women	Sanjeeb Mallick 89
• Prevalence and Awareness of Polycystic Ovarian Syndrome (PCOS) among Women Living in Assam, India : A Quantitative Survey	Hora Narzery 97

Women Empowerment : A Necessary Tool

Prabha Kumari Devi

Associate Professor
Dept. of Physics, BBK. College, Nagaon

"Women are the largest untapped reservoir of talent in the world." - Hilary Clinton

Now-a-days there are some controversies around the word feminism. Those arise only when one does not understand the true meaning and motive behind the term. Feminism is the advocacy of women's rights based on the equality of the sexes. It is an interdisciplinary approach to issues of equality and equity based on gender, gender expression, gender identity, sex, and sexuality as understood through social theories and political activism.

Our society being traditionally patriarchal, women have always been given a secondary status which is reflected in the economic, social and political spheres. However, women equality and empowerment has always remained a priority area for the modern world. Different organisations are taking various initiatives to encourage more and more women to participate in all operations starting from very small businesses to world's leading domains.

Empowerment refers to a situation where the powerless gain greater control over resources and ideologies.

The book is print only. Web link for the book is not available

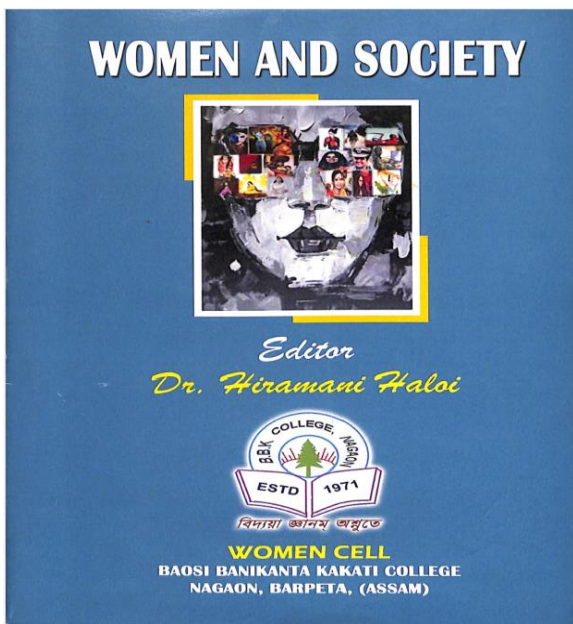


BAOSI BANIKANTA KAKATI COLLEGE

Nagaon, Barpeta
Assam – 781311 (INDIA)

Dr. Pradip Das
Principal

43) Dr. Hiramani Haloi (2022-23)



CONTENT	
Part - I	
• Women EMPOWERMENT : A NECESSARY TOOL	Prabha Kumari Devi 1
• Media and Women Empowerment in Assam	Dr. Hiramani Haloi 7
• Role of NGOs and Government Agencies to Empower the Women for Rural Development	Dipak Ray Choudhury 17
• WOMEN IN INDIAN HISTORY	Phulrena Misra 26
• The Portrayal of Women in Media with special reference to Assam : a Critical Analysis	Dr. Joyjit Deka 31
• Women in medicinal research, challenges and government approach	Kabyashree Phukan 37
• Women, Leadership and the Political Realm of Assam During Indian Freedom Movement : An overview	Porti Borah 42
• Contribution of Educators towards women Education	Manalisha Tumung 48
• Women Environmentalists	Dr. Sudhana Medhi 53
• Women role in the environment: An overview of Chipko movement	Serdinua Teronpi 57
• The Need And Importance of Women Education	Azizur Rahman 68
• Women empowerment in India	Rashmi Rekha Das 65
• Bio-Social aspects of Health in Tribal women	Haripriya Das 72
• Women Literacy in India : A Study	Ridip Lahkar 82
• Common Health Concerns and Solutions for Health Problems among Indian Women	Sanjeeb Mallick 89
• Prevalence and Awareness of Polycystic Ovarian Syndrome (PCOS) among Women Living in Assam, India : A Quantitative Survey	Hora Narzery 97

Media and Women Empowerment in Assam

Dr. Hiramani Haloi

Assistant Professor

Department of Assamese, BBK College, Nagaon

Media can be a powerful tool for women's empowerment when used in a responsible and inclusive way. By promoting positive representations of women, highlighting their issues, and amplifying their voices, media can contribute to creating a more gender-equal world. The word "empowerment" emerged from Spanish word empoderamiento – those who were financing in women's projects adopted the term demanding empowerment as a part of project. The empowerment of women is an active process enabling women to realize their full identity and power in all spheres of life. The concept of empowerment incorporates a thought of empowering people either in the form of individual or group who have facing the challenges of social and economic deprivation. M.K Gandhi gave great importance to women's education and empowerment. He stressed that equal opportunity should be given to both men and women for acquiring knowledge and skills. Over the decades, Indian women have proved that if given the opportunities and access to strategic resources, they can enter and excel in every possible field. But the fact remaining that the benefits of development could be enjoyed by only a small portion of Indian female population. A carefully planned mass media strategy is of critical importance for women's empowerment

The book is print only. Web link for the book is not available

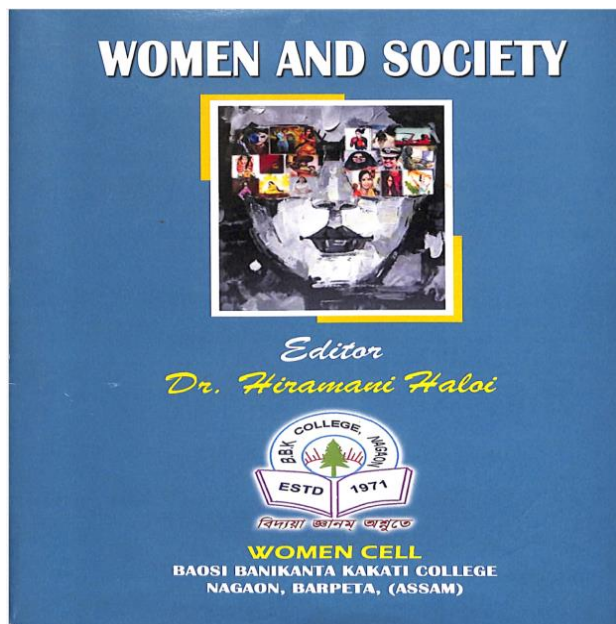


BAOSI BANIKANTA KAKATI COLLEGE

Nagaon, Barpeta
Assam – 781311 (INDIA)

Dr. Pradip Das
Principal

44) Dipak Ray Choudhury (2022-23)



CONTENT	
Part - I	
• Women EMPOWERMENT : A NECESSARY TOOL	Prabha Kumari Devi 1
• Media and Women Empowerment in Assam	Dr. Hiramani Haloi 7
• Role of NGOs and Government Agencies to Empower the Women for Rural Development	Dipak Ray Choudhury 17
• WOMEN IN INDIAN HISTORY	Phulrena Misra 26
• The Portrayal of Women in Media with special reference to Assam : a Critical Analysis	Dr. Joyjit Deka 31
• Women in medicinal research, challenges and government approach	Kabyashree Phukan 37
• Women, Leadership and the Political Realm of Assam During Indian Freedom Movement : An overview	Porti Borah 42
• Contribution of Educators towards women Education	Manalisha Tumung 48
• Women Environmentalists	Dr. Sudhana Medhi 53
• Women role in the environment: An overview of Chipko movement	Serdina Teronpi 57
• The Need And Importance of Women Education	Azizur Rahman 68
• Women empowerment in India	Rashmi Rekha Das 65
• Bio-Social aspects of Health in Tribal women	Haripriya Das 72
• Women Literacy in India : A Study	Rudip Lahkar 82
• Common Health Concerns and Solutions for Health Problems among Indian Women	Sanjeeb Mallick 89
• Prevalence and Awareness of Polycystic Ovarian Syndrome (PCOS) among Women Living in Assam, India : A Quantitative Survey	Hora Narzery 97

Role of NGOs and Government Agencies to Empower the Women for Rural Development

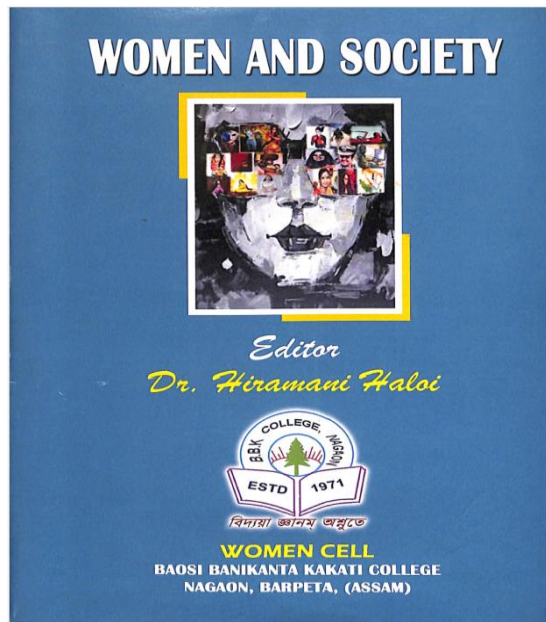
Dipak Ray Choudhury
Assistant Professor (Sr)
Department of Education
B.B.K. College, Nagaon, Barpeta

Introduction

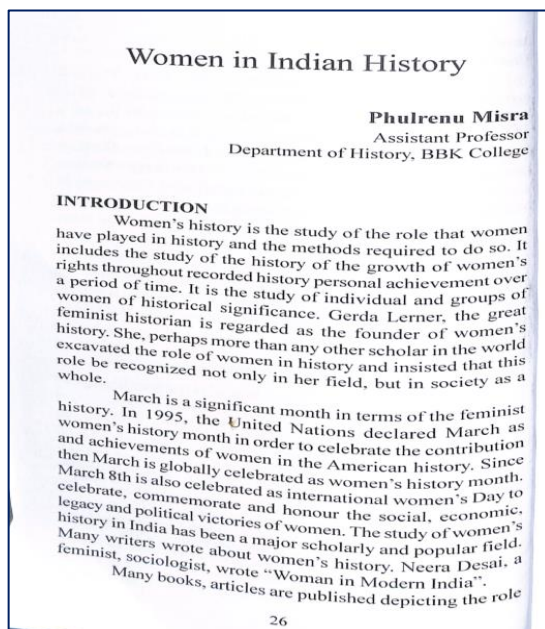
This paper is based on the fact that economy of a nation can be improved only when the quality of life of the citizens of a nation can be effectively improved only by raising the standards of living of the people on the street and in backward areas. In India like in many other developing countries women plays a very important role in the upliftment of the nation in all the aspects like social, political, economical and legal. Empowerment means control over material assets, intellectual; resources & ideology this involves ability to get what one wants & to influence others on our concerns with reference to women the power relation that has to be involved includes their lives at multiple levels, family, community, market, & the state. The question surrounding women's empowerment the condition and position of women have now become critical to the human rights based approaches to development. Empower the women in social, political, economical and legal aspects became necessary to convert the idle society into self sustainable society. Women

The book is print only. Web link for the book is not available

45) Phulrenu Mishra (2022-23)

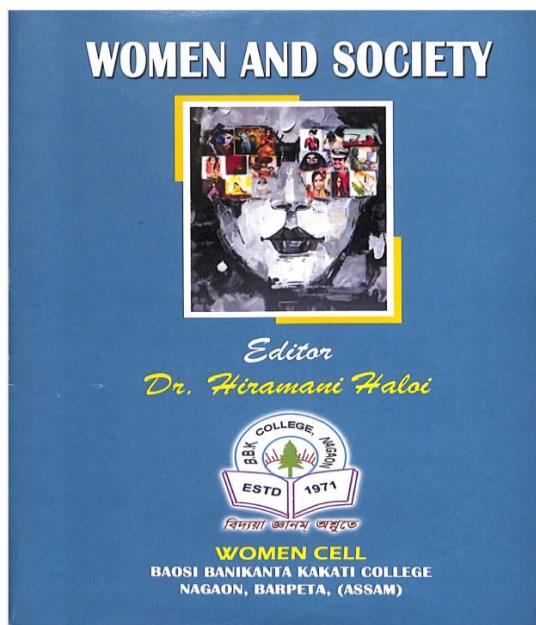


CONTENT	
Part - I	
• Women EMPOWERMENT : A NECESSARY TOOL	Prabha Kumari Devi 1
• Media and Women Empowerment in Assam	Dr. Hiramani Haloi 7
• Role of NGOs and Government Agencies to Empower the Women for Rural Development	Dipak Ray Choudhury 17
• WOMEN IN INDIAN HISTORY	Phulrenu Mishra 26
• The Portrayal of Women in Media with special reference to Assam : a Critical Analysis	Dr. Joyjit Deka 31
• Women in medicinal research, challenges and government approach	Kabyashree Phukan 37
• Women, Leadership and the Political Realm of Assam During Indian Freedom Movement : An overview	Porti Borah 42
• Contribution of Educators towards women Education	Manalisha Tumulung 48
• Women Environmentalists	Dr. Sudhama Medhi 53
• Women role in the environment: An overview of Chipko movement	Serdinua Teronpi 57
• The Need And Importance of Women Education	Azizur Rahman 68
• Women empowerment in India	Rashmi Rekha Das 65
• Bio-Social aspects of Health in Tribal women	Haripriya Das 72
• Women Literacy in India : A Study	Ridip Lahkar 82
• Common Health Concerns and Solutions for Health Problems among Indian Women	Sanjeeb Mallick 89
• Prevalence and Awareness of Polycystic Ovarian Syndrome (PCOS) among Women Living in Assam, India : A Quantitative Survey	Hora Narzery 97



The book is print only. Web link for the book is not available

46) Kabyashree Phukan (2022-23)



CONTENT	
Part - I	
• Women EMPOWERMENT : A NECESSARY TOOL	Prabha Kumari Devi 1
• Media and Women Empowerment in Assam	Dr. Hiramani Haloi 7
• Role of NGOs and Government Agencies to Empower the Women for Rural Development	Dipak Ray Choudhury 17
• WOMEN IN INDIAN HISTORY	Phulrena Misra 26
• The Portrayal of Women in Media with special reference to Assam : a Critical Analysis	Dr. Joyjit Deka 31
• Women in medicinal research, challenges and government approach	Kabyashree Phukan 37
• Women, Leadership and the Political Realm of Assam During Indian Freedom Movement : An overview	Porti Borah 42
• Contribution of Educators towards women Education	Manalisha Tumung 48
• Women Environmentalists	Dr. Sudhana Medhi 53
• Women role in the environment: An overview of Chipko movement	Serdihun Teronpi 57
• The Need And Importance of Women Education	Azizur Rahman 68
• Women empowerment in India	Rashmi Rekha Das 65
• Bio-Social aspects of Health in Tribal women	Haripriya Das 72
• Women Literacy in India : A Study	Ridip Lahkar 82
• Common Health Concerns and Solutions for Health Problems among Indian Women	Sanjeeb Mallick 89
• Prevalence and Awareness of Polycystic Ovarian Syndrome (PCOS) among Women Living in Assam, India : A Quantitative Survey	Hora Narzery 97

Women in medicinal research, challenges and government approach

Kabyashree Phukan

Assistant Professor

Department of Zoology, BBK College

Biological research is a constantly evolving field that contributes to the understanding of various diseases and their diagnosis. Women have been making significant contributions to this field for many years, with their research paving the way for better diagnosis and treatment of diseases. This article aims to highlight the contribution of women in biological research and their approach towards the diagnosis of diseases. Historically, women have been underrepresented in scientific research, particularly in the fields of biology and medicine. However, women have been making significant contributions to these fields for many years, and their work has led to breakthroughs in the diagnosis of diseases. One such example is Dr. Rosalind Franklin, who played a crucial role in the discovery of the structure of DNA. She used X-ray crystallography to produce images of DNA that were essential in determining its structure. Her work was instrumental in the development of diagnostic tools that have transformed the field of medicine.

Today, there are many women who are actively involved in biological research and are making significant contributions towards the diagnosis of diseases. For instance, Dr. Jennifer Doudna, a biochemist at the University of California, Berkeley, developed the CRISPR-Cas 9 gene

The book is print only. Web link for the book is not available

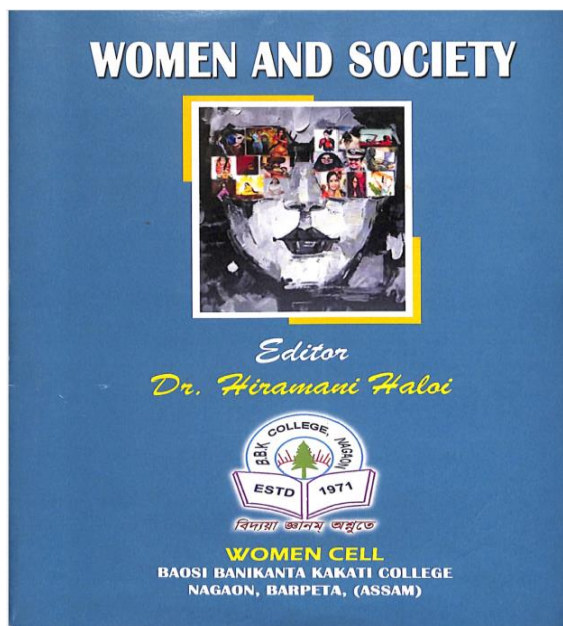


BAOSI BANIKANTA KAKATI COLLEGE

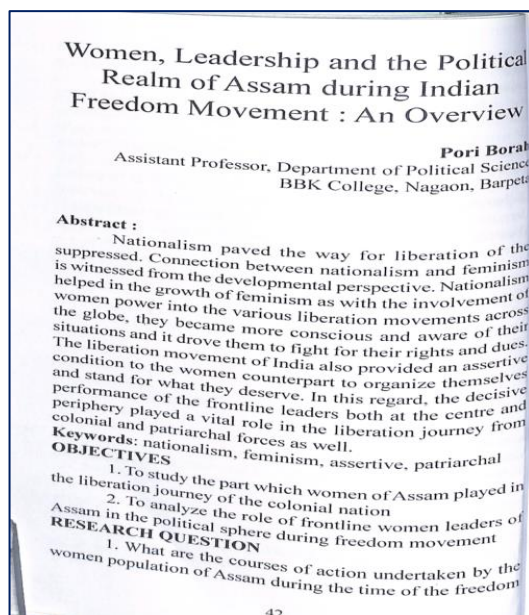
Nagaon, Barpeta
Assam – 781311 (INDIA)

Dr. Pradip Das
Principal

47) Pori Borah (2022-23)

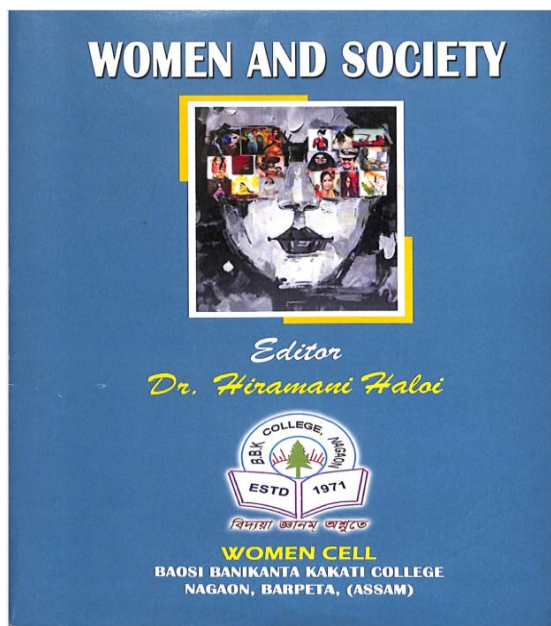


CONTENT	
Part - I	
• Women EMPOWERMENT : A NECESSARY TOOL	Prabha Kumari Devi 1
• Media and Women Empowerment in Assam	Dr. Hiramani Haloi 7
• Role of NGOs and Government Agencies to Empower the Women for Rural Development	Dipak Ray Choudhury 17
• WOMEN IN INDIAN HISTORY	Phulrena Misra 26
• The Portrayal of Women in Media with special reference to Assam : a Critical Analysis	Dr. Joyjit Deka 31
• Women in medicinal research, challenges and government approach	Kabyashree Phukan 37
• Women, Leadership and the Political Realm of Assam During Indian Freedom Movement : An overview	Pori Borah 42
• Contribution of Educators towards women Education	Manalisha Tumung 48
• Women Environmentalists	Dr. Sudhana Medhi 53
• Women role in the environment: An overview of Chipko movement	Serdinua Teronpi 57
• The Need And Importance of Women Education	Azizur Rahman 68
• Women empowerment in India	Rashmi Rekha Das 65
• Bio-Social aspects of Health in Tribal women	Haripriya Das 72
• Women Literacy in India : A Study	Ridip Lahkar 82
• Common Health Concerns and Solutions for Health Problems among Indian Women	Sanjeeb Mallick 89
• Prevalence and Awareness of Polycystic Ovarian Syndrome (PCOS) among Women Living in Assam, India : A Quantitative Survey	Hora Narzery 97

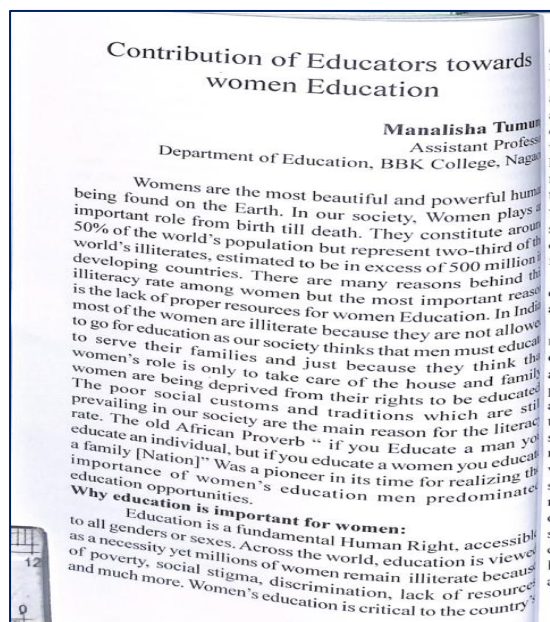


The book is print only. Web link for the book is not available

48) Manalisha Tumung (2022-23)

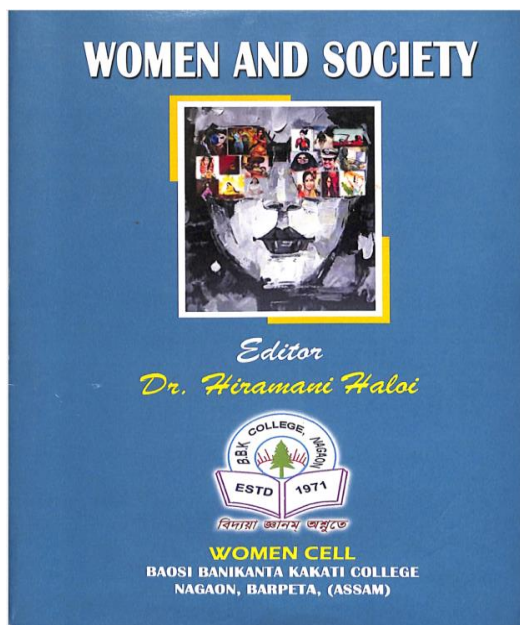


CONTENT	
Part - I	
• Women EMPOWERMENT : A NECESSARY TOOL	Prabha Kumari Devi 1
• Media and Women Empowerment in Assam	Dr. Hiramani Haloi 7
• Role of NGOs and Government Agencies to Empower the Women for Rural Development	Dipak Ray Choudhury 17
• WOMEN IN INDIAN HISTORY	Phulrena Misra 26
• The Portrayal of Women in Media with special reference to Assam : a Critical Analysis	Dr. Joyjit Deka 31
• Women in medicinal research, challenges and government approach	Kabyashree Phukan 37
• Women, Leadership and the Political Realm of Assam During Indian Freedom Movement : An overview	Porti Borah 42
• Contribution of Educators towards women Education	Manalisha Tumung 48
• Women Environmentalists	Dr. Sudhana Medhi 53
• Women role in the environment: An overview of Chipko movement	Serdinua Teronpi 57
• The Need And Importance of Women Education	Azizur Rahman 68
• Women empowerment in India	Rashmi Rekha Das 65
• Bio-Social aspects of Health in Tribal women	Haripriya Das 72
• Women Literacy in India : A Study	Ridip Lahkar 82
• Common Health Concerns and Solutions for Health Problems among Indian Women	Sanjeeb Mallick 89
• Prevalence and Awareness of Polycystic Ovarian Syndrome (PCOS) among Women Living in Assam, India : A Quantitative Survey	Hora Narzery 97

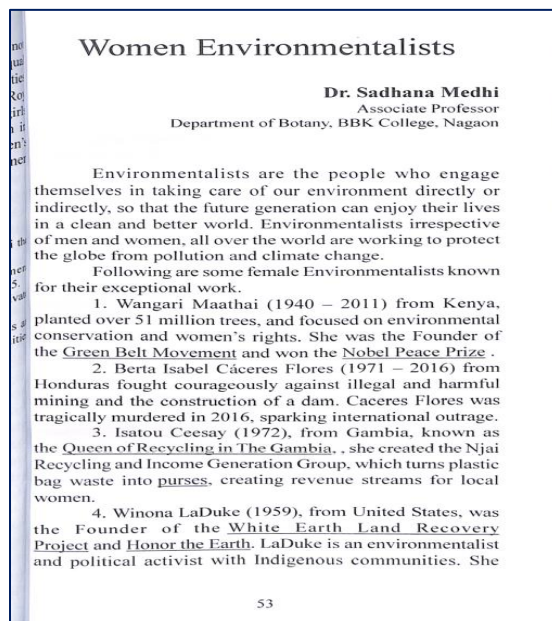


The book is print only. Web link for the book is not available

49) Dr. Sadhana Medhi (2022-23)



CONTENT	
Part - I	
• Women EMPOWERMENT : A NECESSARY TOOL	Prabha Kumari Devi 1
• Media and Women Empowerment in Assam	Dr. Hiramani Haloi 7
• Role of NGOs and Government Agencies to Empower the Women for Rural Development	Dipak Ray Choudhury 17
• WOMEN IN INDIAN HISTORY	Phulrena Misra 26
• The Portrayal of Women in Media with special reference to Assam : a Critical Analysis	Dr. Joyjit Deka 31
• Women in medicinal research, challenges and government approach	Kabyashree Phukan 37
• Women, Leadership and the Political Realm of Assam During Indian Freedom Movement : An overview	Porti Borah 42
• Contribution of Educators towards women Education	Manalisha Tumung 48
• Women Environmentalists	Dr. Sadhana Medhi 53
• Women role in the environment: An overview of Chipko movement	Serdihun Teronpi 57
• The Need And Importance of Women Education	Azizur Rahman 68
• Women empowerment in India	Rashmi Rekha Das 65
• Bio-Social aspects of Health in Tribal women	Haripriya Das 72
• Women Literacy in India : A Study	Ridip Lahkar 82
• Common Health Concerns and Solutions for Health Problems among Indian Women	Sanjeeb Mallick 89
• Prevalence and Awareness of Polycystic Ovarian Syndrome (PCOS) among Women Living in Assam, India : A Quantitative Survey	Hora Narzery 97



The book is print only. Web link for the book is not available

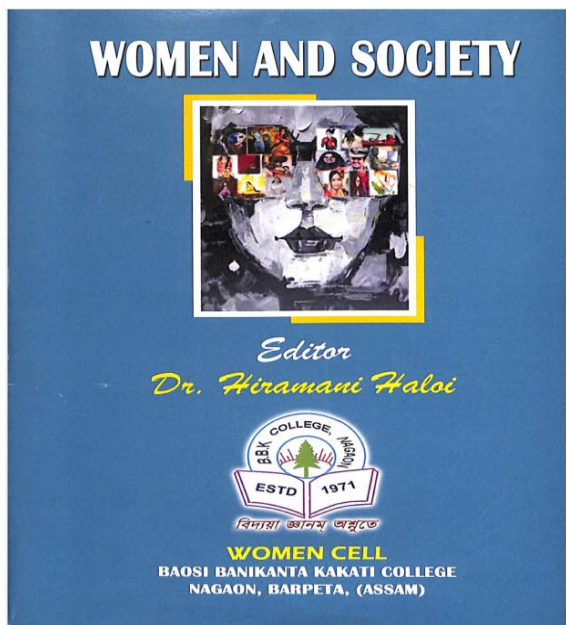


BAOSI BANIKANTA KAKATI COLLEGE

Nagaon, Barpeta
Assam – 781311 (INDIA)

Dr. Pradip Das
Principal

50) Serdihun Teronpi (2022-23)



CONTENT	
Part - I	
• Women EMPOWERMENT : A NECESSARY TOOL	Prabha Kumari Devi 1
• Media and Women Empowerment in Assam	Dr. Hiramani Haloi 7
• Role of NGOs and Government Agencies to Empower the Women for Rural Development	Dipak Ray Choudhury 17
• WOMEN IN INDIAN HISTORY	Phulrena Misra 26
• The Portrayal of Women in Media with special reference to Assam : a Critical Analysis	Dr. Joyjit Deka 31
• Women in medicinal research, challenges and government approach	Kabyashree Phukan 37
• Women, Leadership and the Political Realm of Assam During Indian Freedom Movement : An overview	Porti Borah 42
• Contribution of Educators towards women Education	Manalisha Tumung 48
• Women Environmentalists	Dr. Sudhana Medhi 53
• Women role in the environment: An overview of Chipko movement	Serdihun Teronpi 57
• The Need And Importance of Women Education	Azizur Rahman 68
• Women empowerment in India	Rashmi Rekha Das 65
• Bio-Social aspects of Health in Tribal women	Haripriya Das 72
• Women Literacy in India : A Study	Ridip Lahkar 82
• Common Health Concerns and Solutions for Health Problems among Indian Women	Sanjeeb Mallick 89
• Prevalence and Awareness of Polycystic Ovarian Syndrome (PCOS) among Women Living in Assam, India : A Quantitative Survey	Hora Narzery 97

Women role in the environment: An overview of Chipko movement

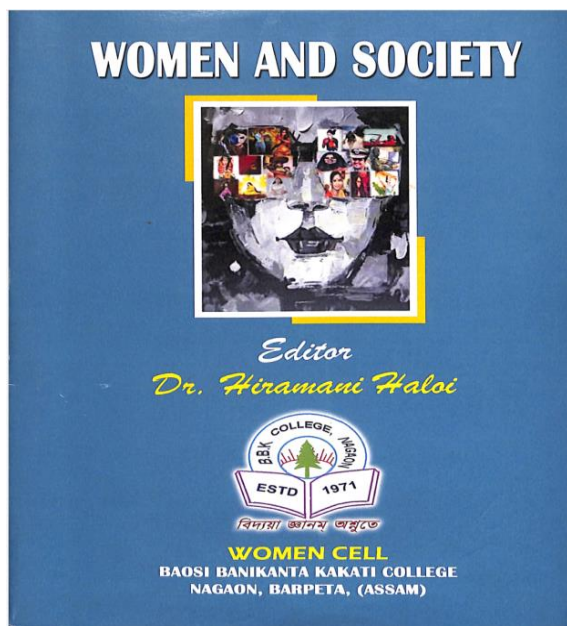
Serdihun Teronpi
Assistant Professor, Department of Botany
B.B.K College, Nagaon, Barpeta

A woman has an immense part to play in the environment, no less than her male counterpart. The notion that a man's contribution to the society is more important and fruitful than a woman, does not hold good in today's world. If given equal opportunities and support, a woman has reportedly been more successful and thriving than a man. After all, held-back people learn the most, and do the most, for motivation drives them to achieve the unachievable. Struggles and outcries of oppressed women in the past have prompted the society to notice them and realize how quietly and patiently they borne all responsibilities and tortures until they could take no more. And as time passed by, the world realized how wrong they were to ever suppress the ingenious ideas and the latent flair that eventually shone bright and took development to the next level. At the First World Conference on Women held in Mexico-City in the year 1975, Vandana Shiva commenced the discussion of women and the environment. During the conference women's role in agriculture and their extent of contribution began to come to light.

Women in the developing world are predominantly responsible for management and conservation of resources for their families. Women spend vast amounts of time collecting and storing water, securing sources of fuel, food and fodder, and managing land — be it forest, wetlands or

The book is print only. Web link for the book is not available

51) Rashmi Rekha Das (2022-23)



CONTENT	
Part - I	
• Women EMPOWERMENT : A NECESSARY TOOL	Prabha Kumari Devi 1
• Media and Women Empowerment in Assam	Dr. Hiramani Haloi 7
• Role of NGOs and Government Agencies to Empower the Women for Rural Development	Dipak Ray Choudhury 17
• WOMEN IN INDIAN HISTORY	Phulrena Misra 26
• The Portrayal of Women in Media with special reference to Assam : a Critical Analysis	Dr. Joyjit Deka 31
• Women in medicinal research, challenges and government approach	Kabyashree Phukan 37
• Women, Leadership and the Political Realm of Assam During Indian Freedom Movement : An overview	Porti Borah 42
• Contribution of Educators towards women Education	Manalisha Tumung 48
• Women Environmentalists	Dr. Sudhana Medhi 53
• Women role in the environment: An overview of Chipko movement	Serdina Teronpi 57
• The Need And Importance of Women Education	Azizur Rahman 68
• Women empowerment in India	Rashmi Rekha Das 65
• Bio-Social aspects of Health in Tribal women	Haripriya Das 72
• Women Literacy in India : A Study	Ridip Lahkar 82
• Common Health Concerns and Solutions for Health Problems among Indian Women	Sanjeeb Mallick 89
• Prevalence and Awareness of Polycystic Ovarian Syndrome (PCOS) among Women Living in Assam, India : A Quantitative Survey	Hora Narzery 97

Women empowerment in India

Rashmi Rekha Das

Assistant Professor,
Department of Political Science, BBK College

Abstract :

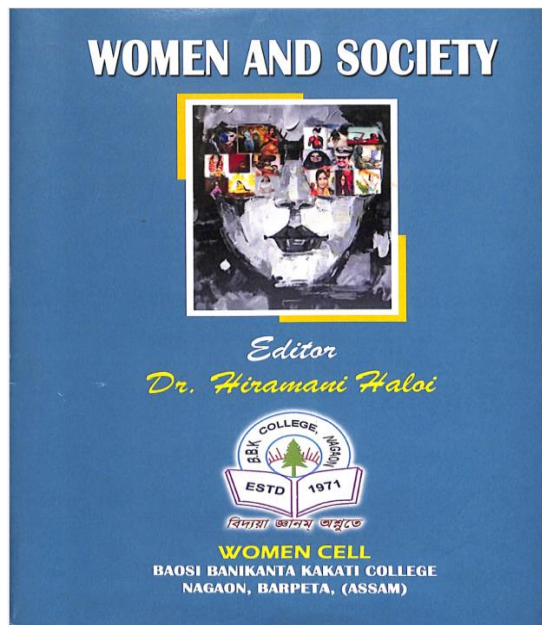
Women Empowerment is a debatable subject. Women Empowerment means promoting women in their social and economic development, providing them equal opportunities of employment, education, economical development and allowing them to socialize, the freedoms and rights that were defined before it is a process which empowers women to know that they too can achieve their aspirations as the men of the society and help them do that. Women empowerment refers to making women powerful to make them capable of deciding for themselves. It refers to the activities undertaken to improve the social, economic, and political status of women in the world. Women empowerment simply refers to having the equal rights a men should have. The empowerment of a women can be termed as the ability to become a source of self independence. It gives the self to grow in their ability to move freely within the society. Women empowerment helps in improving the standard of life of women in rural as well as urban areas.

Introduction :

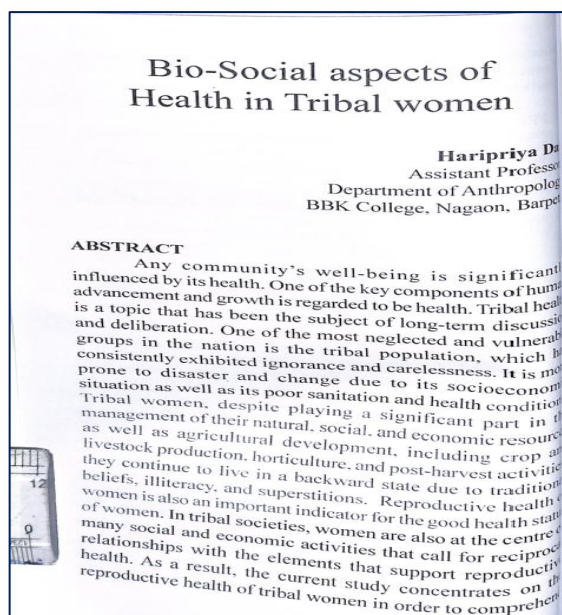
The origin of the concept of empowerment go back to the civil rights in the USA in the 1960. Since the mid 1980's the term empowerment has become popular in the field of development, especially in reference to women. The word "women empowerment" implies that women are not powerful enough, they need to be empowered. In Indian male dominated society, emphasis is being given on women empowerment to reduce gender discrimination. In modern era, it is very

The book is print only. Web link for the book is not available

52) Haripriya Das (2022-23)

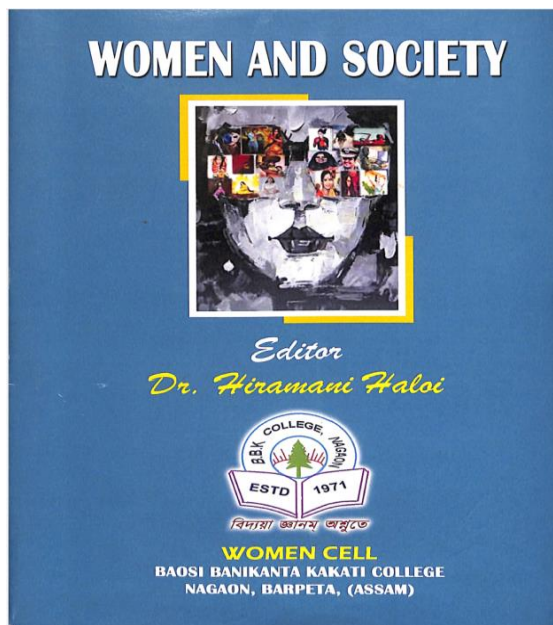


CONTENT	
Part - I	
• Women EMPOWERMENT : A NECESSARY TOOL	Prabha Kumari Devi 1
• Media and Women Empowerment in Assam	Dr. Hiramani Haloi 7
• Role of NGOs and Government Agencies to Empower the Women for Rural Development	Dipak Ray Choudhury 17
• WOMEN IN INDIAN HISTORY	Phulrena Misra 26
• The Portrayal of Women in Media with special reference to Assam : a Critical Analysis	Dr. Joyjit Deka 31
• Women in medicinal research, challenges and government approach	Kabyashree Phukan 37
• Women, Leadership and the Political Realm of Assam During Indian Freedom Movement : An overview	Porti Borah 42
• Contribution of Educators towards women Education	Manalisha Tumung 48
• Women Environmentalists	Dr. Sudhana Medhi 53
• Women role in the environment: An overview of Chipko movement	Serdina Teronpi 57
• The Need And Importance of Women Education	Azizur Rahman 68
• Women empowerment in India	Rashmi Rekha Das 65
• Bio-Social aspects of Health in Tribal women	Haripriya Das 72
• Women Literacy in India : A Study	Ridip Lahkar 82
• Common Health Concerns and Solutions for Health Problems among Indian Women	Sanjeeb Mallick 89
• Prevalence and Awareness of Polycystic Ovarian Syndrome (PCOS) among Women Living in Assam, India : A Quantitative Survey	Hora Narzery 97

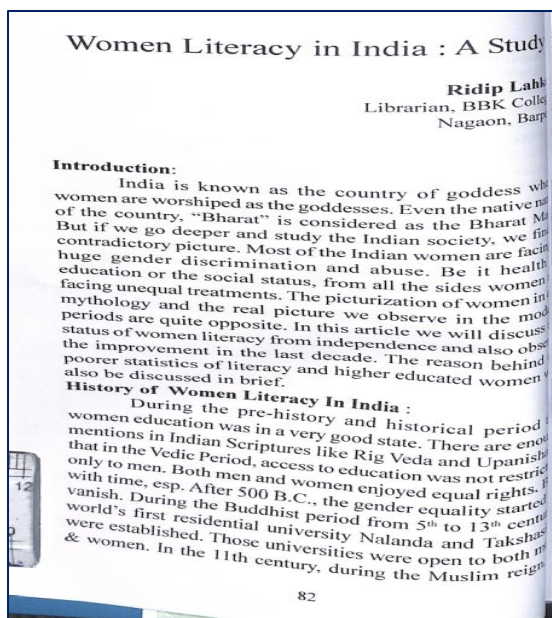


The book is print only. Web link for the book is not available

53) Ridip Lahkar (2022-23)



CONTENT	
Part - I	
• Women EMPOWERMENT : A NECESSARY TOOL	Prabha Kumari Devi 1
• Media and Women Empowerment in Assam	Dr. Hiramani Haloi 7
• Role of NGOs and Government Agencies to Empower the Women for Rural Development	Dipak Ray Choudhury 17
• WOMEN IN INDIAN HISTORY	Phulrena Misra 26
• The Portrayal of Women in Media with special reference to Assam : a Critical Analysis	Dr. Joyjit Deka 31
• Women in medicinal research, challenges and government approach	Kabyashree Phukan 37
• Women, Leadership and the Political Realm of Assam During Indian Freedom Movement : An overview	Porti Borah 42
• Contribution of Educators towards women Education	Manalisha Tumulung 48
• Women Environmentalists	Dr. Sudhana Medhi 53
• Women role in the environment: An overview of Chipko movement	Serdihua Teronpi 57
• The Need And Importance of Women Education	Azizur Rahman 68
• Women empowerment in India	Rashmi Rekha Das 65
• Bio-Social aspects of Health in Tribal women	Haripriya Das 72
• Women Literacy in India : A Study	Ridip Lahkar 82
• Common Health Concerns and Solutions for Health Problems among Indian Women	Sanjeeb Mallick 89
• Prevalence and Awareness of Polycystic Ovarian Syndrome (PCOS) among Women Living in Assam, India : A Quantitative Survey	Hora Narzery 97



The book is print only. Web link for the book is not available

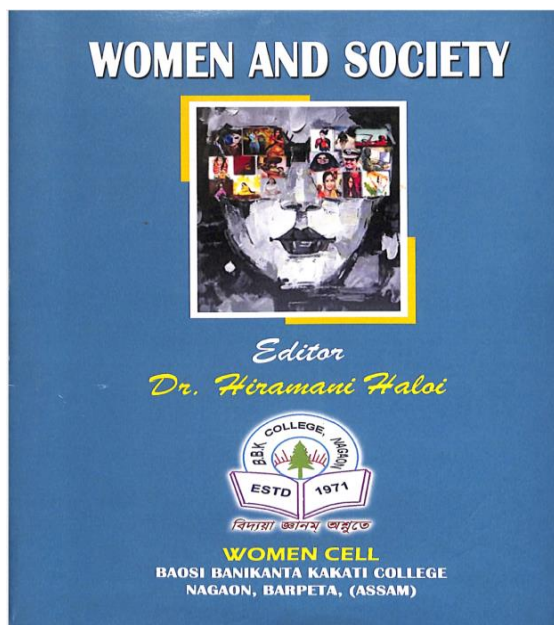


BAOSI BANIKANTA KAKATI COLLEGE

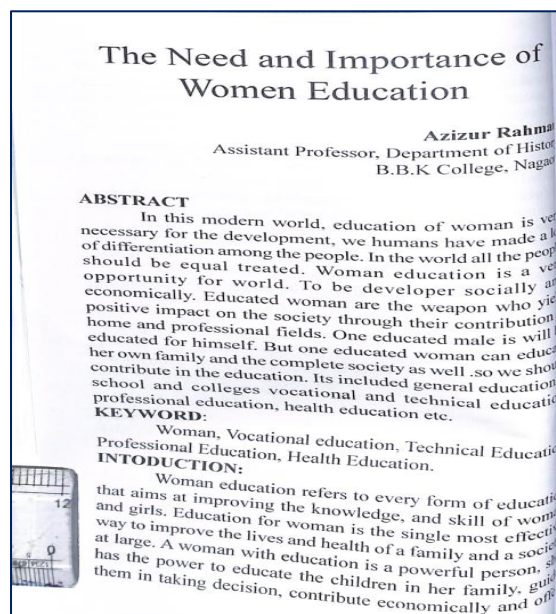
Nagaon, Barpeta
Assam – 781311 (INDIA)

Dr. Pradip Das
Principal

54) Azizur Rahman (2022-23)



CONTENT	
Part - I	
• Women EMPOWERMENT : A NECESSARY TOOL	Prabha Kumari Devi 1
• Media and Women Empowerment in Assam	Dr. Hiramani Haloi 7
• Role of NGOs and Government Agencies to Empower the Women for Rural Development	Dipak Ray Choudhury 17
• WOMEN IN INDIAN HISTORY	Phulrena Misra 26
• The Portrayal of Women in Media with special reference to Assam : a Critical Analysis	Dr. Joyjit Deka 31
• Women in medicinal research, challenges and government approach	Kabyashree Phukan 37
• Women, Leadership and the Political Realm of Assam During Indian Freedom Movement : An overview	Porti Borah 42
• Contribution of Educators towards women Education	Manalisha Tumung 48
• Women Environmentalists	Dr. Sudhana Medhi 53
• Women role in the environment: An overview of Chipko movement	Serdihua Teronpi 57
• The Need And Importance of Women Education	Azizur Rahman 68
• Women empowerment in India	Rashmi Rekha Das 65
• Bio-Social aspects of Health in Tribal women	Haripriya Das 72
• Women Literacy in India : A Study	Ridip Lahkar 82
• Common Health Concerns and Solutions for Health Problems among Indian Women	Sanjeeb Mallick 89
• Prevalence and Awareness of Polycystic Ovarian Syndrome (PCOS) among Women Living in Assam, India : A Quantitative Survey	Hora Narzery 97



The book is print only. Web link for the book is not available

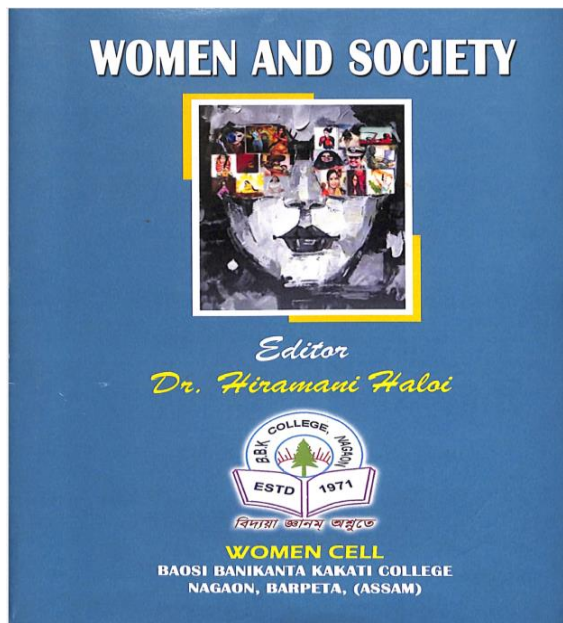


BAOSI BANIKANTA KAKATI COLLEGE

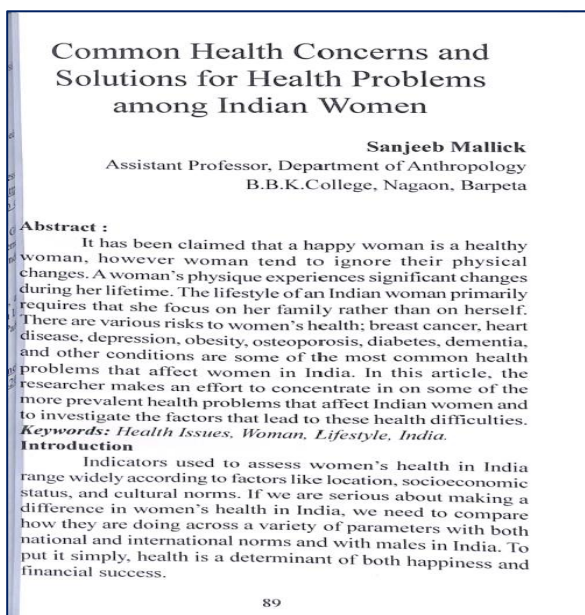
Nagaon, Barpeta
Assam – 781311 (INDIA)

Dr. Pradip Das
Principal

55) Sanjeeb Mallick (2022-23)

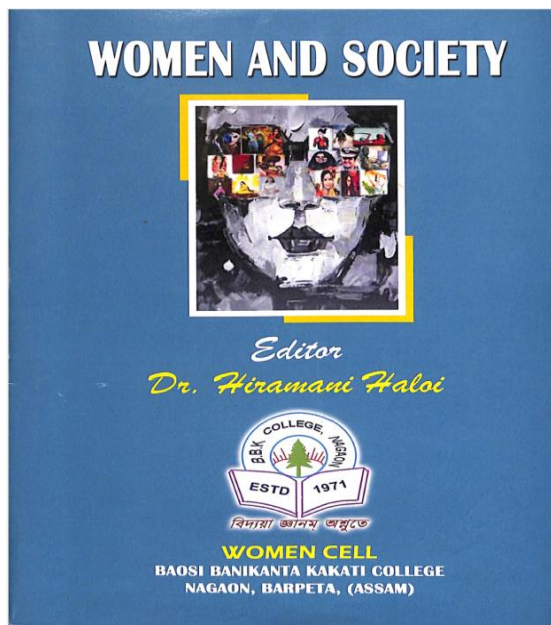


CONTENT	
Part - I	
• Women EMPOWERMENT : A NECESSARY TOOL	Prabha Kumari Devi 1
• Media and Women Empowerment in Assam	Dr. Hiramani Haloi 7
• Role of NGOs and Government Agencies to Empower the Women for Rural Development	Dipak Ray Choudhury 17
• WOMEN IN INDIAN HISTORY	Phulrena Misra 26
• The Portrayal of Women in Media with special reference to Assam : a Critical Analysis	Dr. Joyjit Deka 31
• Women in medicinal research, challenges and government approach	Kabyashree Phukan 37
• Women, Leadership and the Political Realm of Assam During Indian Freedom Movement : An overview	Porti Borah 42
• Contribution of Educators towards women Education	Manalisha Tumulung 48
• Women Environmentalists	Dr. Sudhana Medhi 53
• Women role in the environment: An overview of Chipko movement	Serdihun Teronpi 57
• The Need And Importance of Women Education	Azizur Rahman 68
• Women empowerment in India	Rashmi Rekha Das 65
• Bio-Social aspects of Health in Tribal women	Haripriya Das 72
• Women Literacy in India : A Study	Rudip Lahkar 82
• Common Health Concerns and Solutions for Health Problems among Indian Women	Sanjeeb Mallick 89
• Prevalence and Awareness of Polycystic Ovarian Syndrome (PCOS) among Women Living in Assam, India : A Quantitative Survey	Hora Narzery 97

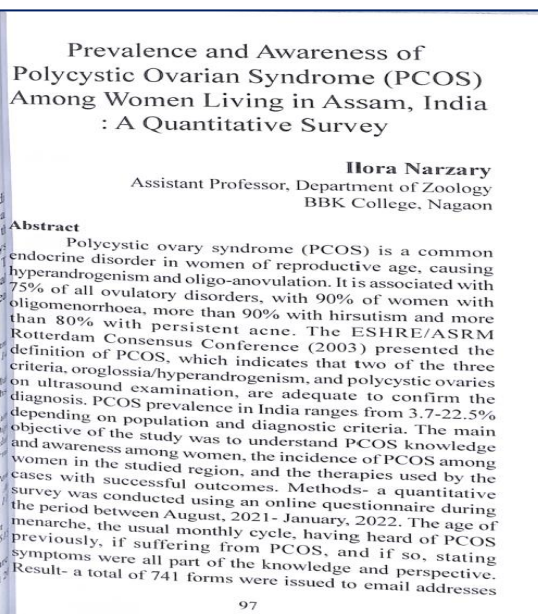


The book is print only. Web link for the book is not available

56) Illora Narzary (2022-23)

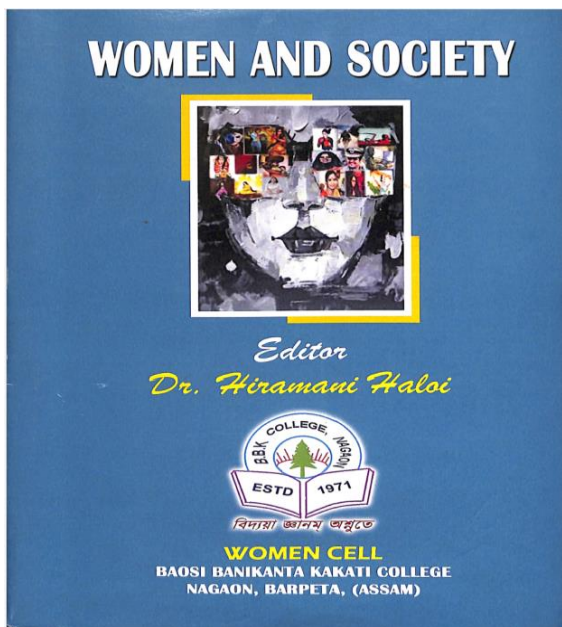


CONTENT	
Part - I	
• Women EMPOWERMENT : A NECESSARY TOOL	Prabha Kumari Devi 1
• Media and Women Empowerment in Assam	Dr. Hiramani Haloi 7
• Role of NGOs and Government Agencies to Empower the Women for Rural Development	Dipak Ray Choudhury 17
• WOMEN IN INDIAN HISTORY	Phulrena Misra 26
• The Portrayal of Women in Media with special reference to Assam : a Critical Analysis	Dr. Joyjit Deka 31
• Women in medicinal research, challenges and government approach	Kabyashree Phukan 37
• Women, Leadership and the Political Realm of Assam During Indian Freedom Movement : An overview	Porti Borah 42
• Contribution of Educators towards women Education	Manalisha Tumung 48
• Women Environmentalists	Dr. Sudhana Medhi 53
• Women role in the environment: An overview of Chipko movement	Serdina Teronpi 57
• The Need And Importance of Women Education	Azizur Rahman 68
• Women empowerment in India	Rashmi Rekha Das 65
• Bio-Social aspects of Health in Tribal women	Haripriya Das 72
• Women Literacy in India : A Study	Ridip Lahkar 82
• Common Health Concerns and Solutions for Health Problems among Indian Women	Sanjeeb Mallick 89
• Prevalence and Awareness of Polycystic Ovarian Syndrome (PCOS) among Women Living in Assam, India : A Quantitative Survey	Illora Narzary 97



The book is print only. Web link for the book is not available

57) Dr. Manalisha Deka (2022-23)



• PHOBIA - A Mental Disorder	Dr. Manalisha Deka	111
• Invisible Barriers	Kanchita Talukdar	119
• Girls - A boon not a Burden	Mumuni Chetry	124
• Kamala Sohani - First Indian woman to get a PhD in the Sciences at a British university	Dr. Minal K. Mishra	129
• Celebrating Sisterhood in Christina Rossetti's <i>Goblin Market</i>	Dr. Kishor Kumar Deka Dr. Bhupen Rabha	132
• A Critical Study of the character of Rani in Girish Karnad's play <i>Naga Mandala</i>	Dr. Pranjoyoti Deka	137
• Deconstructing patriarchy: Body as a Site of Female Resistance in Mahashveta Devi's "Draupadi"	Anupama Devi	142
Part - II		
• নারী সৃষ্টি : পুরুষ প্রধান সমাজত সমর্থনা	ডা. কঞ্চিতা তালুকদার	151
• উপন্যাসত চৰিত্ৰ নিৰ্মাণ, উত্তৰণ : "কনচাৰী" আৰু "প্ৰভা"ৰ বিশেষ উল্লেখসহ	ডা. বিনীতা বৰা দেৱগৌৰী	156
• অসমীয়া সমাজত নারীবাদৰ উদ্বেগ আৰু অসমীয়া সাহিত্যত নারীবাদী চিন্তাৰ ক্ৰমবিকাশ	টুনিটন দাস	163
• যুগান্তৰ যুগৰ অসমীয়া চুটিগল্পত নারী জীৱনৰ প্ৰতিফলন	ডা. হৰদেৱ দেৱা	172
• জ'ছেলিন বেৰা বাৰ্গেল : বিশেষ শক্তিকাৰ মহিলা	ডা. কঞ্চিতা তালুকদার	181
• নারী আৰু সৰ্বস্বত্বাধিকাৰৰ এক নতুন দৃষ্টিৰে	পুষ্পাঞ্জলি শিৱম শৰ্মা	185
• নারীবাদী সমালোচনা আৰু অসমীয়া চুটিগল্প	ডা. অৰুণমণি দাস	197
• ডা. অমিতা গুহৰ আত্মজীৱনী "জীৱনৰ জোৰাৰ ভাটৰ মাজেদি" এটি বিশ্লেষণ	ডা. কঞ্চিতা তালুকদার	207
• বিশী উপন্যাস "মিলা" আৰু অসমীয়া উপন্যাস "জীৱনৰ বাট"ত চিত্ৰিত নারী জীৱন	সুপৰ পাল	213
• জেঠী উমিলা তালুকদাৰ আৰু তেখেতৰ জীৱন পৰিচয়	সুপাৰী হাজৰিকা	218
• নারী আৰু বৰ্তমান সমাজ	এ. এচ. দেৱ	221

PHOBIA - A Mental Disorder

Dr. Manalisha Deka
Assistant Professor
Dept of Zoology, BBK College

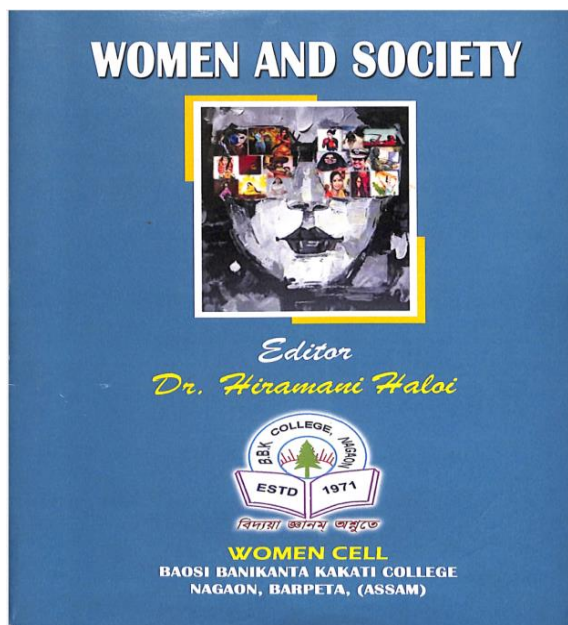
A mental disorder is characterized by a clinically significant disturbance in an individual's cognition, emotional regulation, or behaviour. It is usually associated with distress or impairment in important areas of functioning. There are many different types of mental disorders. Mental disorders may also be referred to as mental health conditions. There are many different categories of mental disorder such as anxiety disorder, Mood disorder, Psychotic disorders, personality disorders, Eating disorders, Sleep disorder, Sexual disorders etc.

In 2019, 1 in every 8 people, or 970 million people around the world were living with a mental disorder, with anxiety and depressive disorders the most common. In 2020, the number of people living with anxiety and depressive disorders rose significantly because of the COVID-19 pandemic. Initial estimates show a 26% and 28% increase respectively for anxiety and major depressive disorders in just one year. While effective prevention and treatment options exist, most people with mental disorders do not have access to effective care. Many people also experience stigma, discrimination and violations of human rights (WHO report).

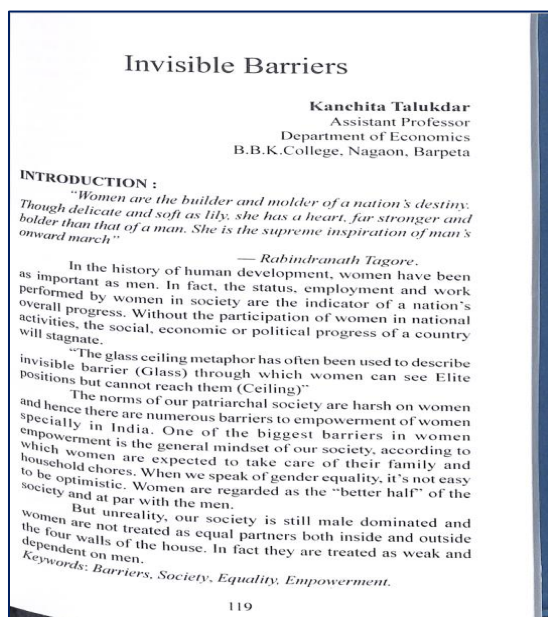
A phobia is a type of anxiety disorder that causes an individual to experience extreme, irrational fear about a situation, living creature, place, or object. When a person has a phobia, they will often shape their lives to avoid what they consider to be dangerous. The imagined threat is greater than

The book is print only. Web link for the book is not available

58) Kanchita Talukdar (2022-23)

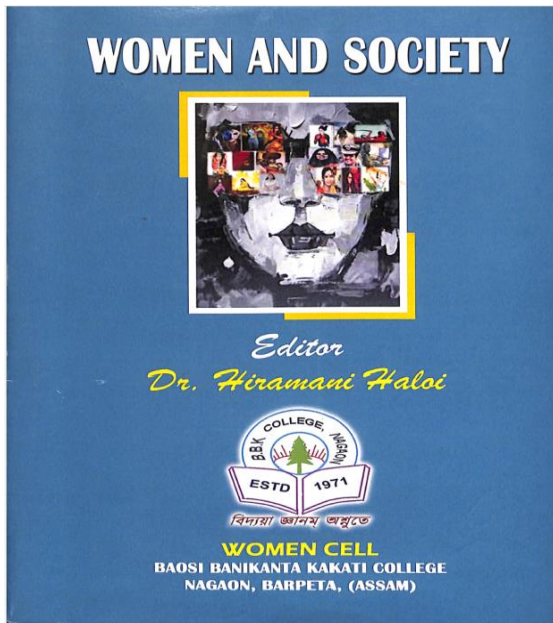


• PHOBIA - A Mental Disorder	Dr. Manalisha Deka	111
• Invisible Barriers	Kanchita Talukdar	119
• Girls - A boon not a Burden	Mumuni Chetry	124
• Kamala Sohanie - First Indian woman to get a PhD in the Sciences at a British university	Dr. Minak K. Mishra	129
• Celebrating Sisterhood in Christina Rossetti's 'Goblin Market'	Dr. Kishor Kumar Deka Dr. Bhupen Rabha	132
• A Critical Study of the character of Rani in Girish Karnad's play 'Naga Mandala'	Dr. Pranjoyoti Deka	137
• Deconstructing patriarchy: Body as a Site of Female Resistance in Mahashveta Devi's 'Draupadi'	Anupama Devi	142
Part - II		
• নারী সৃষ্টি : পুরুষ প্রধান সমাজত সমস্যা	ডা. কঞ্চিতা তালুকদার	151
• উপন্যাসত চৰিত্ৰ নিৰ্মাণ, উত্তৰণ : 'কনচাৰী' আৰু 'প্ৰভা'ৰ বিশেষ উল্লেখসহ	ডা. বিনীতা বৰা দেৱগৌৰী	156
• অসমীয়া সমাজত নারীৰ পৰিচয় আৰু অসমীয়া সাহিত্যত নারীৰ দ্ৰষ্টব্য ভূমিকা	শ্ৰীমতী দাস	163
• যুগান্তৰ যুগৰ অসমীয়া চুটিগল্পত নারী জীৱনৰ প্ৰতিফলন	ডা. হৰদেৱ গগৈ	172
• জ'ছেলিন বেৰা বাৰ্গেল : বিশেষ শক্তিকাৰ মহিলা	ডা. কঞ্চিতা তালুকদার	181
• নারী আৰু সংস্কৃতিৰ এক নতুন দৃষ্টিৰে	পুষ্পাঞ্জলি শিৱম শৰ্মা	185
• নারীৰাজী সমালোচনা আৰু অসমীয়া চুটিগল্প	ডা. অৰুণমণি দাস	197
• ডা. অমিতা গুহৰ 'আত্মজীৱনী' : জীৱনৰ জোৰাৰ ভাটৰ মাজেদি	ডা. কঞ্চিতা তালুকদার	207
• হিন্দী উপন্যাস 'মিলা' আৰু অসমীয়া উপন্যাস 'জীৱনৰ বাট'ত চিত্ৰিত নারী জীৱন	সুপৰ পাৰ	213
• জেঠী উমিলা তালুকদাৰ আৰু তেহেতৰ জীৱন পৰিকল্পনা	সুপাৰী হাজৰিকা	218
• নারী আৰু বৰ্তমান সমাজ	ডা. অমিতা গুহ	221

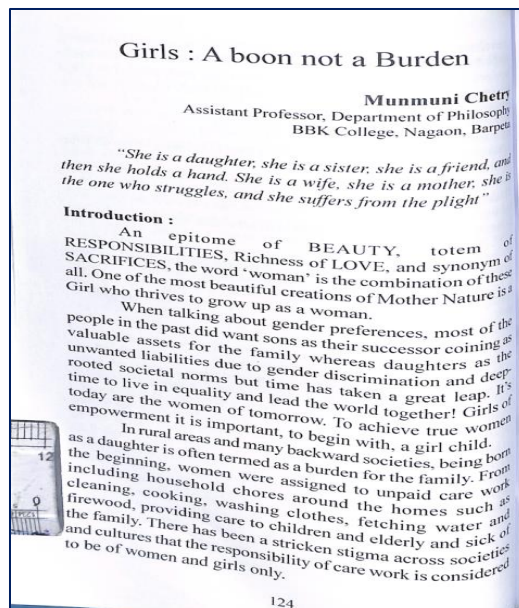


The book is print only. Web link for the book is not available

59) Munmuni Chetry (2022-23)

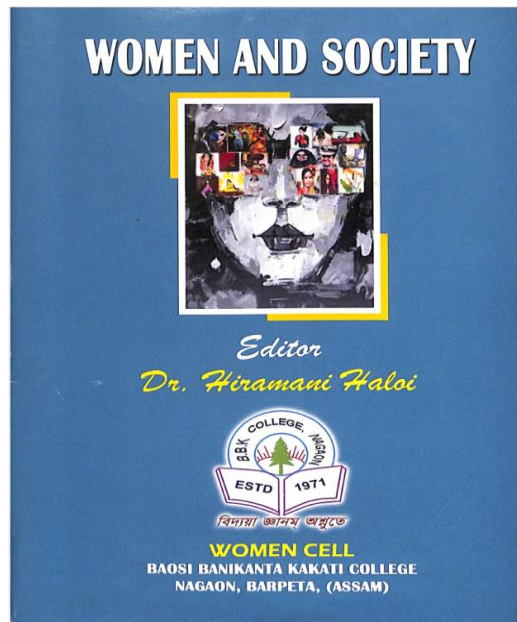


• PHOBIA - A Mental Disorder	Dr. Manalisha Deka	111
• Invisible Barriers	Kanchita Talukdar	119
• Girls - A boon not a Burden	Munmuni Chetry	124
• Kamala Sohanie - First Indian woman to get a PhD in the Sciences at a British university	Dr. Minal K. Mishra	129
• Celebrating Sisterhood in Christina Rossetti's 'Goblin Market'	Dr. Kishor Kumar Deka Dr. Bhupen Rabha	132
• A Critical Study of the character of Rani in Girish Karnad's play 'Naga-Mandala'	Dr. Pranjoyoti Deka	137
• Deconstructing patriarchy: Body as a Site of Female Resistance in Mahashveta Devi's 'Draupadi'	Anupama Devi	142
Part - II		
• নারী সৃষ্টি : পুরুষ প্রধান সমাজত সমর্থনা আৰু অধিকৰ সমাপত্তিত		151
• উপন্যাসত চৰিত্ৰ নিৰ্মাণ, উদ্ভাৱণ : 'কনচাৰী' আৰু 'প্ৰভা'ৰ বিশেষ উল্লেখসহ	ডা° বিনীতা বৰা দেৱগৌৰী	156
• অসমীয়া সমাজত নারীবাৰৰ উদ্বেষ আৰু অসমীয়া সাহিত্যত নারীবাৰী চিত্ৰৰ ক্ৰমবিকাশ	ত্ৰিভূবন দাস	163
• যুদ্ধোত্তৰ যুগৰ অসমীয়া চুটিগল্পত নারী জীৱনৰ প্ৰতিফলন	ডা° অৰূপ দেৱা ডালুকাৰ	172
• জ'ছেলিন বেৰা বাৰ্গেল : বিশেষ শক্তিকাৰ মহিলা	জ্যোতিৰিণি	181
• নারী আৰু সৰ্বস্বত্ববৰণৰ এক নতুন দৃষ্টিৰে	পুষ্পাঞ্জলি শিবৰ শৰ্মা	185
• নারীবাৰী সমালোচনা আৰু অসমীয়া চুটিগল্প	ডা° অৰূপ দাস	197
• ডা° অৰূপা গুহৰ আত্মজীৱনী "জীৱনৰ জোৰাৰ ভাটৰ মাজেদি" এটি বিশ্লেষণ	ডা° কলীয়া দাস	207
• হিন্দী উপন্যাস 'মিলা' আৰু অসমীয়া উপন্যাস 'জীৱনৰ বাট'ত চিত্ৰিত নারী জীৱন	সুপৰ পাৰ	213
• জেঠী উমিলা তালুকদাৰ আৰু তেহেতৰ জীৱন পৰিক্ৰমা	সুপাৰী হাজৰিকা	218
• নারী আৰু বৰ্তমান সমাজ	এ. এছ. শেখ	221

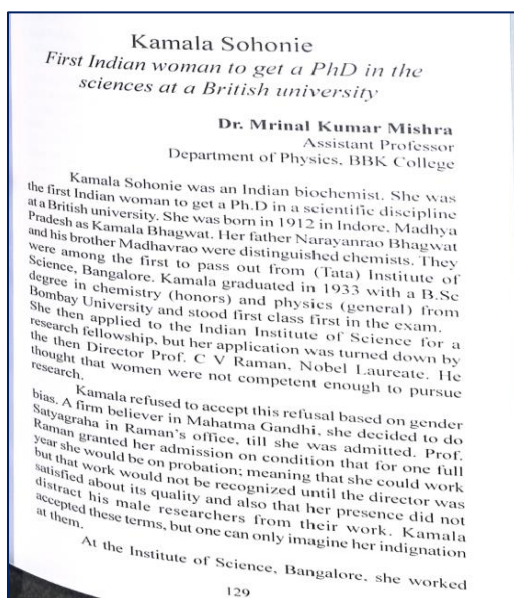


The book is print only. Web link for the book is not available

60) Dr. Mrinal Kumar Misra (2022-23)

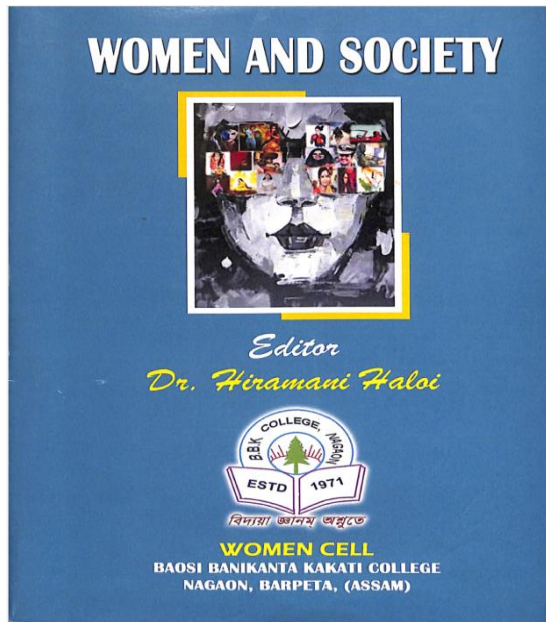


• PHOBIA - A Mental Disorder	Dr. Manalisha Deka	111
• Invisible Barriers	Kanchita Talukdar	119
• Girls - A boon not a Burden	Mumuni Chetry	124
• Kamala Sohonie - First Indian woman to get a PhD in the Sciences at a British university	Dr. Mrinal K. Misra	129
• Celebrating Sisterhood in Christina Rossetti's <i>Goblin Market</i>	Dr. Kishor Kumar Deka Dr. Bhupen Rabha	132
• A Critical Study of the character of Rani in Girish Karnad's play <i>Naga Mandala</i>	Dr. Pranjoyoti Deka	137
• Deconstructing patriarchy: Body as a Site of Female Resistance in Mahashveta Devi's "Draupadi"	Anupama Devi	142
Part - II		
• নারী সৃষ্টি : পুরুষ প্রধান সমাজত সমর্থনা	ডা. কঞ্চিটা তালুকদার	151
• উপন্যাসত চৰিত্ৰ নিৰ্মাণ, উদ্ভাৱণ : "কনচাৰী" আৰু "প্ৰভা"ৰ বিশেষ উল্লেখসহ	ডা. বিনীতা বৰা দেৱগৌৰী	156
• অসমীয়া সমাজত নারীৰ দৰে উদ্ভাৱণ আৰু অসমীয়া সাহিত্যত নারীৰ দৰে ভূমিকা	ডা. অৰ্পিতা দাস	163
• যুদ্ধোত্তৰ যুগৰ অসমীয়া সৃষ্টিগত নারী জীৱনৰ প্ৰতিফলন	ডা. অৰ্পিতা দেৱগৌৰী	172
• জ'ছেলিন বোৰা বাৰ্গেল : বিশেষ প্ৰতিভা	ডা. অৰ্পিতা দেৱগৌৰী	181
• নারী আৰু সৰ্বস্বত্বৰ এক নতুন দৃষ্টি	পুষ্পাঞ্জলি শিৱম শৰ্মা	185
• নারীৰ দৰে সৰ্বস্বত্ব আৰু অসমীয়া সৃষ্টিগত	ডা. অৰ্পিতা দেৱগৌৰী	197
• ডা. অৰ্পিতা দেৱগৌৰীৰ "জীৱন" জোৰাৰ ভাৱে মাজেদি	ডা. অৰ্পিতা দেৱগৌৰী	207
• নারী উপন্যাস "মিলা" আৰু অসমীয়া উপন্যাস "জীৱনৰ বাট"ত চিত্ৰিত নারী জীৱন	সুপৰ পাল	213
• জেঠী উমিলা তালুকদাৰ আৰু তেহেৰে জীৱন পৰিকল্পনা	সুপৰ পাল	218
• নারী আৰু বৰ্তমান সমাজ	ডা. অৰ্পিতা দেৱগৌৰী	221

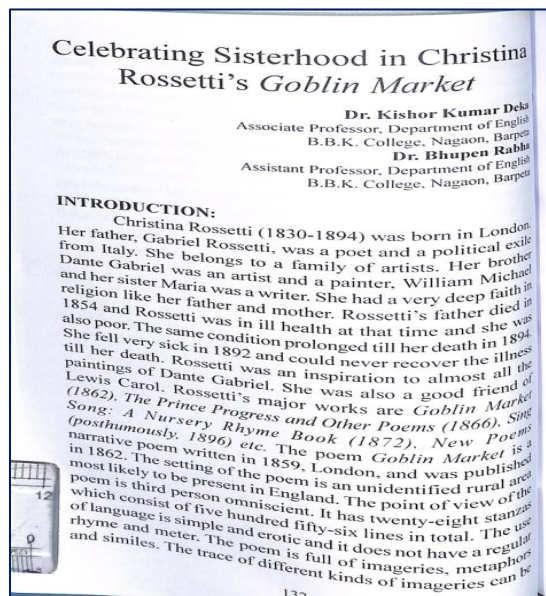


The book is print only. Web link for the book is not available

61) Dr. Kishor Kumar Deka (2022-23)

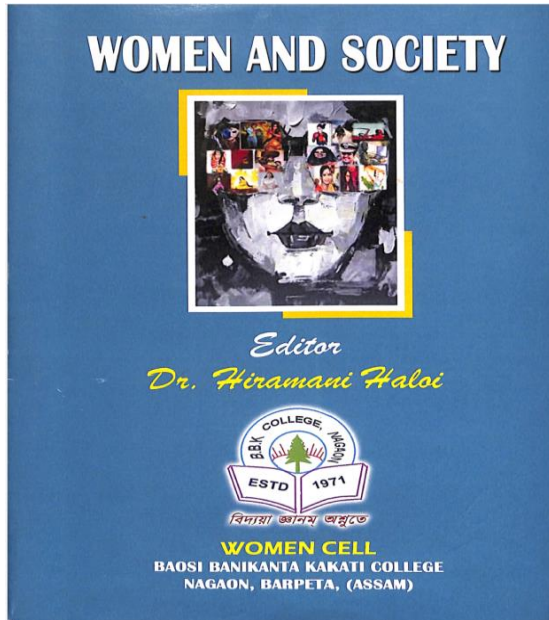


• PHOBIA - A Mental Disorder	Dr. Manalisha Deka	111
• Invisible Barriers	Kanchita Talukdar	119
• Girls - A boon not a Burden	Mumuni Chetry	124
• Kamala Sohonie - First Indian woman to get a PhD in the Sciences at a British university	Dr. Mrinal K. Mishra	129
• Celebrating Sisterhood in Christina Rossetti's <i>Goblin Market</i>	Dr. Kishor Kumar Deka Dr. Bhupen Rabha	132
• A Critical Study of the character of Rani in Girish Karnad's play <i>Naga-Mandala</i>	Dr. Pranjoyoti Deka	137
• Deconstructing patriarchy: Body as a Site of Female Resistance in Mahashveta Devi's "Draupadi"	Anupama Devi	142
Part - II		
• নারী সৃষ্টি : পুৰুষ প্ৰধান সমাজত সমৰ্থতা	ডা. কবিতা তালুকদাৰ	151
• উপন্যাসত চৰিত্ৰ নিৰ্মাণ, উদ্ভাৱন : "কনচাৰী" আৰু "প্ৰভা"ৰ বিশেষ উল্লেখসহ	ডা. বিনীতা বৰা দেৱগৌৰী	156
• অসমীয়া সমাজত নারীবাদৰ উদ্বেগ আৰু অসমীয়া সাহিত্যত নারীবাদী চিন্তাৰ ক্ৰমবিকাশ	নিউটন দাস	163
• যুদ্ধোত্তৰ যুগৰ অসমীয়া চুটিগল্পত নারী জীৱনৰ প্ৰতিফলন	ডা. হৰদেৱ চক্ৰৱৰ্তী	172
• জ'ছেলিন বেল বাৰ্গেল : বিশেষ শক্তিকাৰ মহিলা	জ্যোতিৰ্জিৎ	181
• নারী আৰু সৰলীকৰণৰ এক নতুন দৃষ্টিৰে	পুষ্পাঞ্জলি শিৱম শৰ্মা	185
• নারীবাদী সমালোচনা আৰু অসমীয়া চুটিগল্প	ডা. অৰুণমণি দাস	197
• ডা' অৰুণমা গুহৰ আত্মজীৱনী "জীৱনৰ জোৰাৰ ভাটৰ মাজেৰে" এটি বিশ্লেষণ	ডা. কবিতা দাস	207
• বিনী উপন্যাস "মিলা" আৰু অসমীয়া উপন্যাস "জীৱনৰ বাট"ত চিত্ৰিত নারী জীৱন	সুপৰ পাৰ	213
• জেঠী উমিলা হালুকাৰ আৰু তেখেতৰ জীৱন পৰিচয়	সুপাৰী হাজৰিকা	218
• নারী আৰু বৰ্তমান সমাজ	এ. এছ. শেখ	221

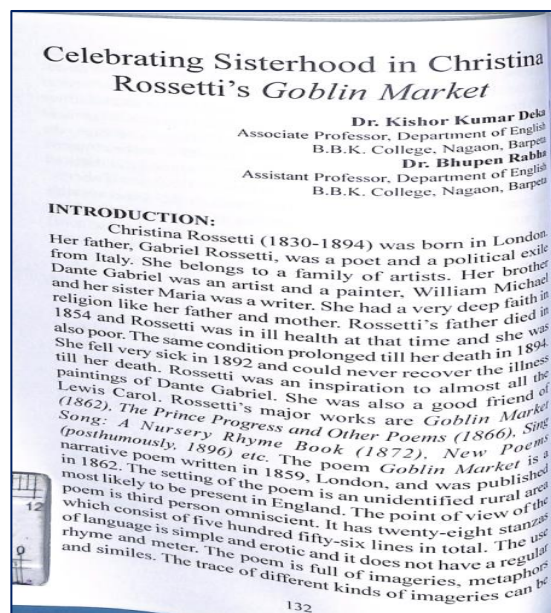


The book is print only. Web link for the book is not available

62) Dr. Bhupen Rabha (2022-23)

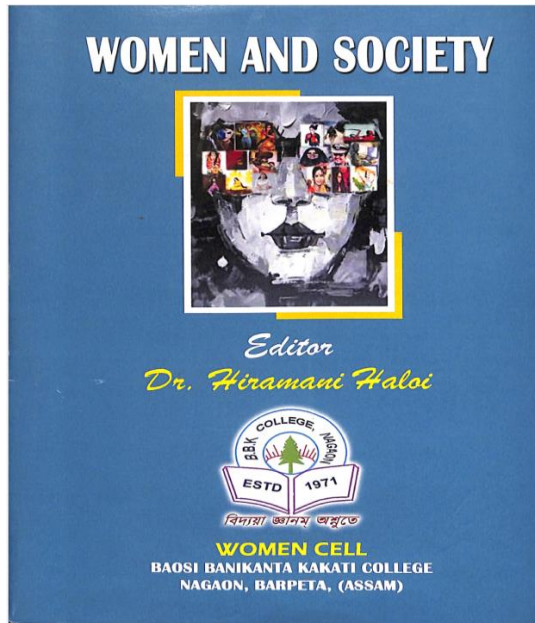


• PHOBIA - A Mental Disorder	Dr. Manalisha Deka	111
• Invisible Barriers	Kanchita Talukdar	119
• Girls - A boon not a Burden	Munmoni Chetry	124
• Kamala Sohmie - First Indian woman to get a PhD in the Sciences at a British university	Dr. Mrinal K. Mishra	129
• Celebrating Sisterhood in Christina Rossetti's <i>Goblin Market</i>	Dr. Kishor Kumar Deka Dr. Bhupen Rabha	132
• A Critical Study of the character of Rani in Girish Karnad's play <i>Naga-Mandala</i>	Dr. Pranjoyoti Deka	137
• Deconstructing patriarchy: Body as a Site of Female Resistance in Mahashveta Devi's "Draupadi"	Anupama Devi	142
Part - II		
• নারী মুক্তি : পুরুষ প্রধান সমাজত সমস্যাৱা ড° কলিত্ব সন্ধ্যাপতিত		151
• উপন্যাসত চৰিত্ৰ নিৰ্মাণ, উত্তৰণ : "কন্দাচাৰী" আৰু "প্ৰভা"ৰ বিশেষ উল্লেখসহ	ড° বিনীতা বৰা দেৱচৌধুৰী	156
• অসমীয়া সমাজত নারীবাদৰ উত্থেৰ আৰু অসমীয়া সাহিত্যত নারীবাদী চিন্তাৰ ক্ৰমবিকাশ	তুণ্টীন দাস	163
• মুক্তোত্তৰ যুগৰ অসমীয়া চুটিগল্পত নারী জীৱনৰ প্ৰতিফলন	ড° জাহ্নবা চেতা ভট্টাচাৰ্য	172
• জ'ছেলিন বেল বাৰ্ণেল : বিশেষ শক্তিকাৰ মহিষী জ্যোতিৰিণি	হৰেন্দ্ৰ কল্লি বৰিক	181
• নারী আৰু সবেলীকৰণৰ এক নতুন দৃষ্টিৰে	পুষ্পাঞ্জলি শিবম শৰ্মা	185
• নারীবাদী সমালোচনা আৰু অসমীয়া চুটিগল্প	ড° অৰুণমণি দাস	197
• ড° অমিতা গুহৰ আত্মজীৱনী "জীৱনৰ জোৱাৰ ভাটীৰ মাজেদি" এটি বিশ্লেষণ	ড° কলিত্ব দাস	207
• দ্বিতী উপন্যাস "নিৰ্ঘণ" আৰু অসমীয়া উপন্যাস	সুপৰা পাহা	213
• "জীৱনৰ বাট"ত চিত্ৰিত নারী জীৱন	সুশালী হাজৰিকা	218
• জেঠী উমিলা তালুককাৰ আৰু তেখেতৰ জীৱন পৰিচয়	ক. প্ৰিয়ংৱা	221
• নারী আৰু বৰ্তমান সমাজ		

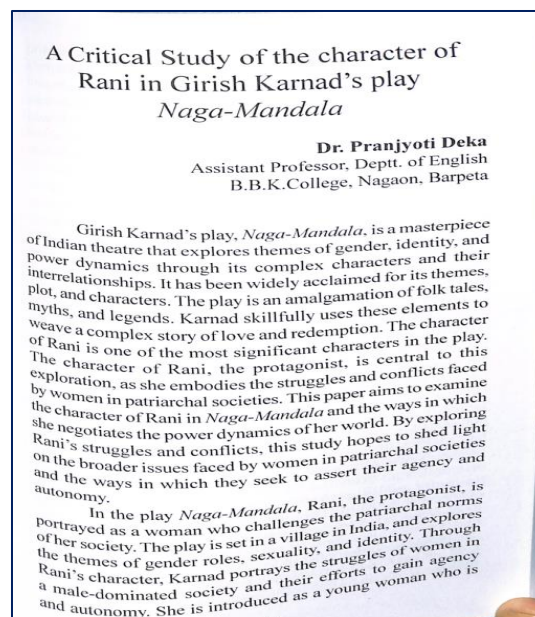


The book is print only. Web link for the book is not available

63) Dr. Pranjyoti Deka (2022-23)

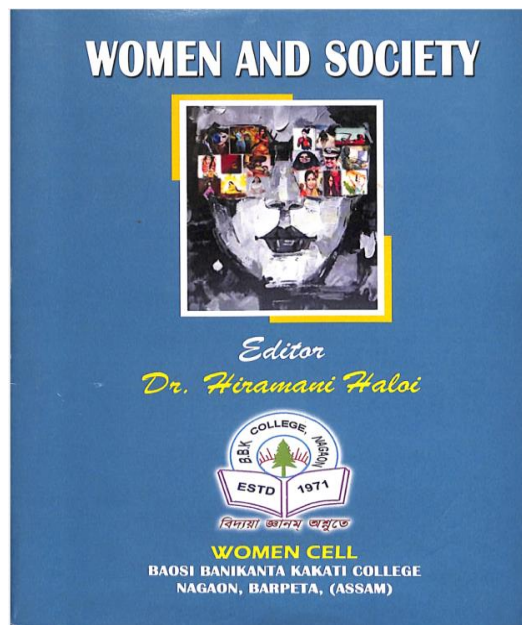


• PHOBIA - A Mental Disorder	Dr. Manasita Deka	111
• Invisible Barriers	Kanchita Talukdar	119
• Girls: A boon not a Burden	Munmoni Chetry	124
• Kamala Sohomie: First Indian woman to get a PhD in the Sciences at a British university	Dr. Mrital Kc Mishra	129
• Celebrating Sisterhood in Christina Rossetti's <i>Goblin Market</i>	Dr. Kishor Kumar Deka	132
• A Critical Study of the character of Rani in Girish Karnad's play <i>Naga-Mandala</i>	Dr. Bhupen Rabha	137
• Deconstructing patriarchy: Body as a Site of Female Resistance in Mahashveta Devi's "Draupadi"	Dr. Pranjyoti Deka	142
	Anupama Devi	142
Part - II		
• নারী মুক্তি : পুরুষ প্রধান সমাজত সমস্যা	ডা. কঞ্জিতা তালুকদার	151
• উপন্যাসত চৰিত্ৰ নিৰ্মাণ, উদ্ভাৱণ : 'কন্যাচৰী' আৰু 'ভাৰ্ভা'ৰ বিশেষ উল্লেখসহ	ডা. বিনীতা বৰা কেৰচৌধুৰী	156
• অসমীয়া সমাজত নারীবাদৰ উদ্বেগ আৰু অসমীয়া সাহিত্যত নারীবাদী চিন্তাৰ ক্ৰমবিকাশ	পুষ্পাঞ্জলি শিবৰম শৰ্মা	163
• পুৰুষোত্তম যুগৰ অসমীয়া চুটিগল্পত নারী জীৱনৰ প্ৰতিফলন	ডা. জয়ন্তা দেৱা তপস্বী	172
• জ'ছেলিন বেল বাৰ্ভেল : বিশেষ শক্তিকৰ মহিলা জ্যোতিৰ্বিদ	হাৰ্মান অণা হালৌ	181
• নারী আৰু সংলীকৰণৰ এক নতুন দৃষ্টিৰে	পুষ্পাঞ্জলি শিবৰম শৰ্মা	185
• নারীবাদী সমালোচনা আৰু অসমীয়া চুটিগল্প	ডা. অৰুণমণি দাস	197
• ডা. অমিতা গুহৰ আত্মজীৱনী "জীৱনৰ জোৰাৰ কাটাৰ মাজেদি" এটি বিশ্লেষণ	ডা. কঞ্জিতা দাস	207
• হিন্দী উপন্যাস 'মিৰিলা' আৰু অসমীয়া উপন্যাস 'জীৱনৰ বাটত' চিত্ৰিত নারী জীৱন	মৃণাল দাস	213
• জেঠী উমিলা তালুকদাৰ আৰু হেৰোইনৰ জীৱন পৰিচয়	মৃণালী হাজৰিকা	218
• নারী আৰু বৰ্তমান সমাজ	ডা. প্ৰদীপ দাস	221

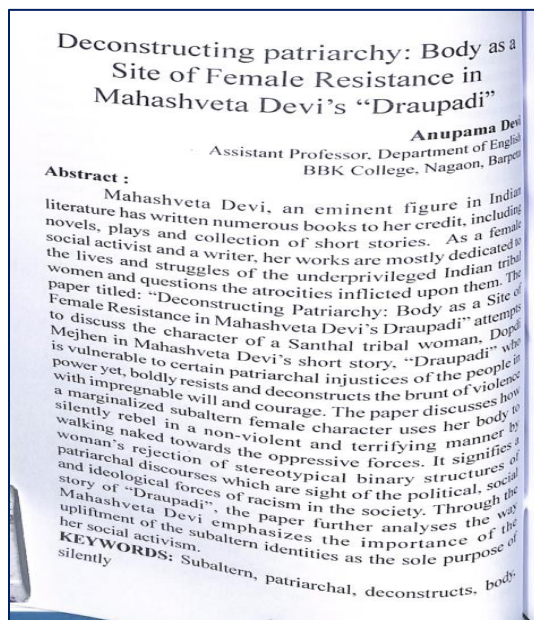


The book is print only. Web link for the book is not available

64) Aupama Devi (2022-23)

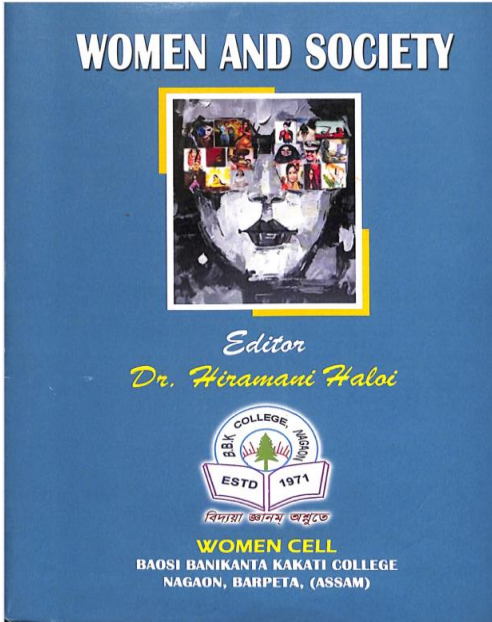


• PHOBIA - A Mental Disorder	Dr. Manalisha Deka	111
• Invisible Barriers	Kanchita Talukdar	119
• Girls: A boon not a Burden	Munmoni Chetry	124
• Kamala Sohmie: First Indian woman to get a PhD in the Sciences at a British university	Dr. Mrital K. Mishra	129
• Celebrating Sisterhood in Christina Rossetti's <i>Goblin Market</i>	Dr. Kishor Kumar Deka	132
• A Critical Study of the character of Rani in Girish Karnad's play <i>Naga-Mandala</i>	Dr. Bhupen Rabha	137
• Deconstructing patriarchy: Body as a Site of Female Resistance in Mahashveta Devi's "Draupadi"	Dr. Pranjoyoti Deka	142
	Anupama Devi	142
Part - II		
• নারী মুক্তি : পুরুষ প্রধান সমাজত সমস্যা	ড. কলিতা তালুকদার	151
• উপন্যাসত চৰিত্ৰ নিৰ্মাণ, উদ্ভাৱণ : 'কন্দাচাৰী'	ড. বিনীতা বৰা বেৰেটোদুৰী	156
• অসমীয়া সমাজত নৰীবাৰৰ উদ্বেগ আৰু অসমীয়া সাহিত্যত নৰীবাৰী চিত্ৰৰ ভূমিকা	পুষ্পাঞ্জলি শিবম শৰ্মা	163
• মুক্তোত্তৰ যুগৰ অসমীয়া চুটিগল্পত নৰী জীৱনৰ প্ৰতিফলন	ড. জাহ্নৱী দেৱা উপসংহাৰ	172
• জ'ছেলিন বেল বাৰ্গেল : বিশেষ শক্তিকাৰ মহিষী জোতিৰ্জি	হৃদয়ন অলক বৰুৱা	181
• নৰী আৰু সংস্কৃতিৰ এক নতুন দৃষ্টিৰে	পুষ্পাঞ্জলি শিবম শৰ্মা	185
• নৰীবাৰী সমালোচনা আৰু অসমীয়া চুটিগল্প	ড. অৰুণমণি দাস	197
• ডা' অনিমা গুহৰ আত্মজীৱনী "জীৱনৰ জোৰাৰ ভাটাৰ মাজেদি" এটি বিশ্লেষণ	ড. কলিতা দাস	207
• হিন্দী উপন্যাস 'মিৰ্চা' আৰু অসমীয়া উপন্যাস 'জীৱনৰ বাট'ত চিত্ৰিত নৰী জীৱন	পুষ্পা দাস	213
• জেঠী উমিলা হাজৰিকাৰ আৰু হেৰেণ্ডৰ জীৱন পৰিকল্পনা	পুষ্পা হাজৰিকা	218
• নৰী আৰু বৰ্তমান সমাজ	এ. এইচ. শ্বেৰ	221



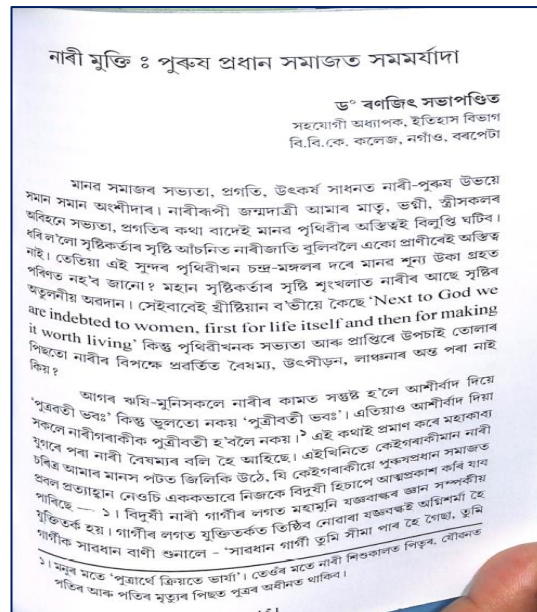
The book is print only. Web link for the book is not available

65) Dr. Ranjit Sabhapandit (2022-23)



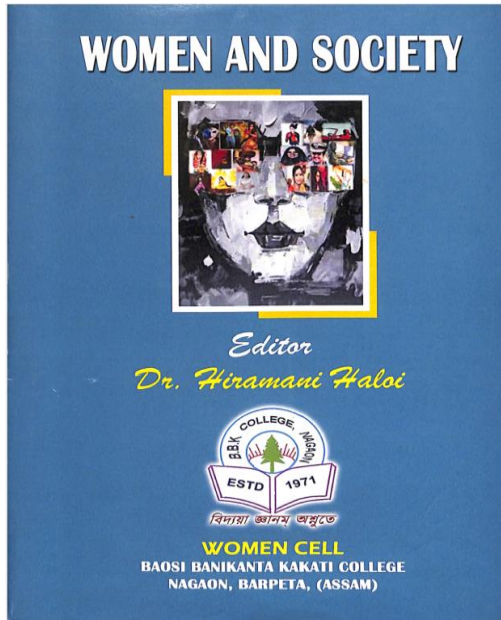
• PHOBIA - A Mental Disorder	Dr. Manalisha Deka	111
• Invisible Barriers	Kanchita Talukdar	119
• Girls - A boon not a Burden	Munmun Chetry	124
• Kamala Suboni - First Indian woman to get a PhD in the Sciences at a British university	Dr. Minakshi Mishra	129
• Celebrating Sisterhood in Christina Rossetti's <i>Goblin Market</i>	Dr. Kishor Kumar Deka Dr. Bhupen Rabha	132
• A Critical Study of the character of Rani in Girish Kamad's play <i>Naga-Mandala</i>	Dr. Pranjoy Deka	137
• Deconstructing patriarchy: Body as a Site of Female Resistance in Mahashveta Devi's "Drapadi"	Anupama Devi	142

Part - II		
• নারী মুক্তি : পুরুষ প্রধান সমাজত সমমর্যাদা	ড° বর্গজিৎ সভাপতিত্ব	151
• উপন্যাসত চৰিত্ৰ নিৰ্মাণ, উত্তৰণ : "কনচাৰী" আৰু "ভাৰ" বিশেষ উপস্থাপন	ড° বিনীতা বৰা (সেৱচাৰী)	156
• অসমীয়া সমাজত নারীবাদৰ উদ্বেগ আৰু অসমীয়া সাহিত্যত নারীবাদী চিন্তাৰ ভূমিকা	চুপন দাস	163
• মুছোত্তৰ যুগৰ অসমীয়া চুটিগল্পত নারী জীৱনৰ প্ৰতিফলন	ড° জলধি দেৱা	172
• জ'ছফিন বেল বাৰ্গেল : বিশেষ শক্তিকাৰ মহিলা জ্যোতিৰ্বিদ	হৰকন আলো	181
• নারী আৰু সবলীকৰণৰ এক নতুন দৃষ্টিৰে	পুষ্পাঞ্জলি শিৱম শৰ্মা	185
• নারীবাদী সমালোচনা আৰু অসমীয়া চুটিগল্প	ড° অক্বেমি দাস	197
• ড° অমিতা গুহৰ আত্মজীৱনী "জীৱনৰ জোৰাৰ কাটাৰ মাজেদি" এটি বিশ্লেষণ	ড° বৰ্ণালী দাস	207
• হিন্দী উপন্যাস "মিৰালা" আৰু অসমীয়া উপন্যাস "জীৱনৰ বাটত চিহ্নিত নারী জীৱন"	সুপন দাস	213
• জেঠী উমিলা হালুকাৰ আৰু তেহেতৰ জীৱন পৰিচয়	সুপালী হাজৰিকা	218
• নারী আৰু বৰ্তমান সমাজ	এ. এছ. শেখ	221

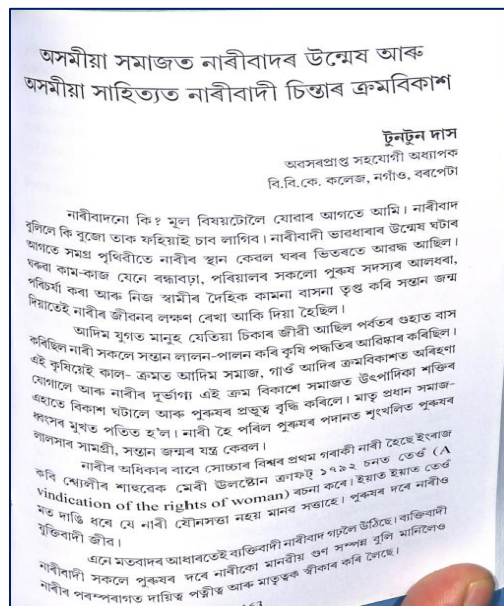


The book is print only. Web link for the book is not available

66) Tuntun Das (2022-23)

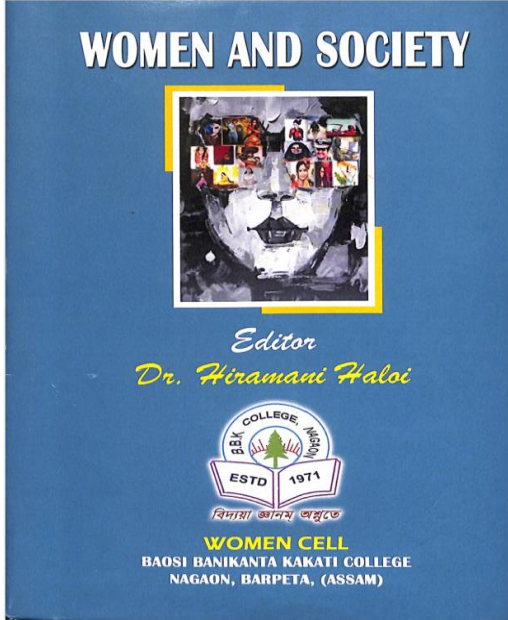


• PHOBIA - A Mental Disorder	Dr. Manalisha Deka	111
• Invisible Barriers	Kanchita Talukdar	119
• Girls - A boon not a Burden	Mamuni Chetry	124
• Kamala Schone - First Indian woman to get a PhD in the Sciences at a British university	Dr. Mrital K. Mishra	129
• Celebrating Sisterhood in Christina Rossetti's 'Goblin Market'	Dr. Kishor Kumar Deka	132
• A Critical Study of the character of Rani in Girish Karnad's play 'Naga-Mandala'	Dr. Pranjyoti Deka	137
• Deconstructing patriarchy: Body as a Site of Female Resistance in Mahashveta Devi's 'Draupadi'	Anupama Devi	142
Part - II		
• নারী মুক্তি ৷ পুৰুষ প্ৰধান সমাজত সমমৰ্যাদা ৷ 'কণ্ঠিতৰ সজাপত্ৰিত'		151
• উপন্যাসত চৰিত্ৰ নিৰ্মাণ, উদ্ভাৱন ৷ 'কনচাৰী'		
• আৰু 'প্ৰভা'ৰ বিশেষ উল্লেখসহ		
• 'ডা' বিনীতা বৰা দেৱচৌধুৰী		156
• অসমীয়া সমাজত নারীবাদৰ উদ্বেগ আৰু অসমীয়া সাহিত্যত নারীবাদী চিন্তাৰ ক্ৰমবিকাশ	তুন্তুন দাস	163
• যুগোত্তৰ যুগৰ অসমীয়া চুটিগল্পত নারী জীৱনৰ প্ৰতিফলন		
• 'জ'ছেলিন বেল বাৰ্গেল ৷ বিশেষ শক্তিকৰ মহিলা' জ্যোতিৰ্বিন		172
• নারী আৰু সৰলীকৰণৰ এক নতুন দৃষ্টিৰে	হাসন আল হকিম	181
• নারীবাদী সমালোচনা আৰু অসমীয়া চুটিগল্প	পুষ্পাঞ্জলি নিৰম শৰ্মা	185
• 'ডা' অনিমা গুহৰ আত্মজীৱনী 'জীৱনৰ জোৰাৰ ভাটাৰ মাজেদি' এটি বিশ্লেষণ	ডা' কল্যাণী দাস	197
• 'হিন্দী উপন্যাস 'মিলা' আৰু অসমীয়া উপন্যাস 'জীৱনৰ বাট'ত চিত্ৰিত নারী জীৱন		
• জেঠী উমিলা তালুকদাৰ আৰু হেৰেৰৰ জীৱন পৰিকল্পনা	সুপৰ পদাৰ	207
• নারী আৰু বৰ্তমান সমাজ	সুপৰী হাজৰিকা	213
	এ. এচ. শেখ	221

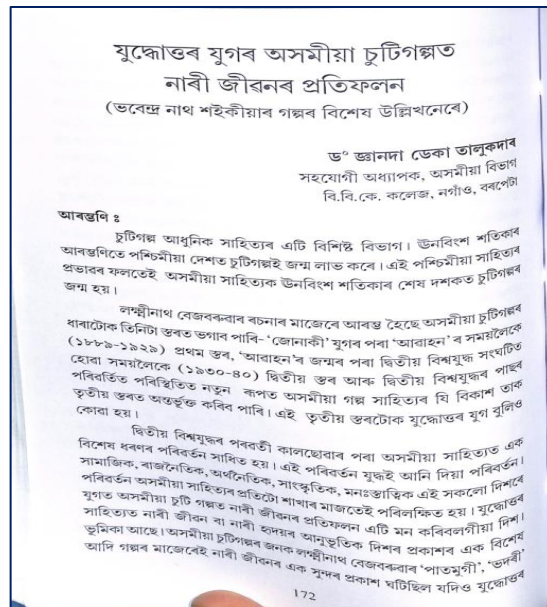


The book is print only. Web link for the book is not available

67) Dr. Gyana Deka Talukdar (2022-23)

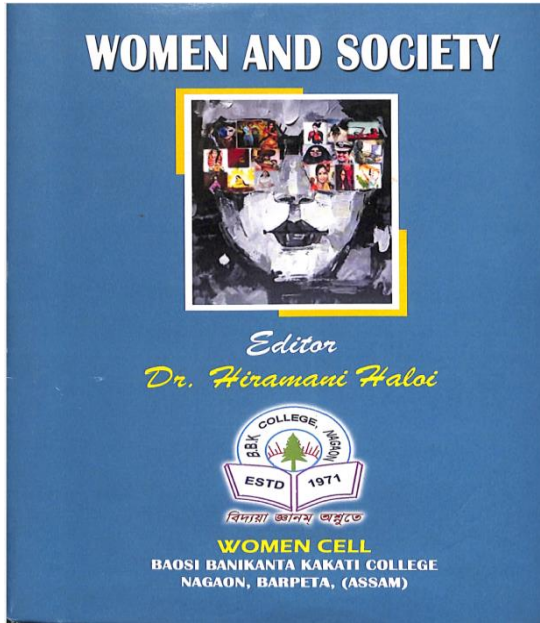


• PHOBIA - A Mental Disorder	Dr. Manalisha Deka	111
• Invisible Barriers	Kanchita Talukdar	119
• Girls: A boon not a Burden	Manmoni Chetry	124
• Kamala Sohoni: First Indian woman to get a PhD in the Sciences at a British university	Dr. Mrital K. Mishra	129
• Celebrating Sisterhood in Christina Rossetti's <i>Goblin Market</i>	Dr. Kishor Kumar Deka Dr. Bhupen Rabha	132
• A Critical Study of the character of Rani in Girish Karnad's play <i>Naga-Mandala</i>	Dr. Pranjoyoti Deka	137
• Deconstructing patriarchy: Body as a Site of Female Resistance in Mahashveta Devi's "Draupadi"	Anupama Devi	142
Part - II		
• নারী যুক্তি : পুরুষ প্রধান সমাজত সমস্যা	ড. কপিলি দাস	151
• উপন্যাসত চৰিত্ৰ নিৰ্মাণ, উত্তৰণ : "কনচিটা" আৰু "ভাৰ" বিশেষ উপলক্ষসহ	ডা. বিনীতা বৰা দেৱচৌধুৰী	156
• অসমীয়া সমাজত নারীবাদৰ উদ্বেগ আৰু অসমীয়া সাহিত্যত নারীবাদী চিন্তাৰ ক্ৰমবিকাশ	চুটিগল্প দাস	163
• যুদ্ধোত্তৰ যুগৰ অসমীয়া চুটিগল্পত নারী জীৱনৰ প্ৰতিফলন	ড. জয়ন্ত চক্ৰৱৰ্তী	172
• ডা. ছেলিন বেল বাৰ্গেল : বিশেষ শতিকাৰ মহিলা জ্যোতিৰ্বিদ	হৰেন্দ্ৰ কল্লি	181
• নারী আৰু সৰলীকৰণৰ এক নতুন দৃষ্টিৰে	পুষ্পাঞ্জলি শিৱম শৰ্মা	185
• নারীবাদী সমালোচনা আৰু অসমীয়া চুটিগল্প	ডা. অৰ্পিতা দাস	197
• ডা. অমিতা গুহৰ আত্মজীৱনী "জীৱনৰ জোৰাৰ জাটৰ মাজেদি" এটি বিশ্লেষণ	ডা. কপিলি দাস	207
• দ্বিতীয় উপন্যাস "নিৰ্মলা" আৰু অসমীয়া উপন্যাস "জীৱনৰ বাটত চিত্ৰিত নারী জীৱন"	সুপৰ পাৰা	213
• জ্যোতিৰ্বিদ আৰু জীৱনৰ প্ৰতিফলন	সুপৰী হাজৰিকা	218
• নারী আৰু বৰ্তমান সমাজ	এ. এচ. শৰ্মা	221



The book is print only. Web link for the book is not available

70) Supam Paul (2022-23)



• PHOBIA - A Mental Disorder	Dr. Manalisha Deka	111
• Invisible Barriers	Kanchita Talukdar	119
• Girls - A boon not a Burden	Mumuni Chetry	124
• Kamala Sohanie - First Indian woman to get a PhD in the Sciences at a British university	Dr. Mrinal K. Mishra	129
• Celebrating Sisterhood in Christina Rossetti's <i>Goblin Market</i>	Dr. Kishor Kumar Deka Dr. Bhupen Rabha	132
• A Critical Study of the character of Rani in Girish Karnad's play <i>Naga-Mandala</i>	Dr. Pranjoyoti Deka	137
• Deconstructing patriarchy: Body as a Site of Female Resistance in Mahashveta Devi's "Draupadi"	Anupama Devi	142
Part - II		
• নাৰী সৃষ্টি : পুৰুষ প্ৰধান সমাজত সমৰ্থতা	ড° অৰ্পিতা তালুকদাৰ	151
• উপন্যাসত চৰিত্ৰ নিৰ্মাণ, উদ্ভাৱন : 'কনচাৰী' আৰু 'প্ৰভা'ৰ বিশেষ উল্লেখসহ	ড° বিনীতা বৰা দেৱগৌৰী	156
• অসমীয়া সমাজত নাৰীবাদৰ উদ্ভাৱ আৰু অসমীয়া সাহিত্যত নাৰীবাদী চিন্তাৰ ক্ৰমবিকাশ	শ্ৰীমতী দাস	163
• যুগান্তৰ যুগৰ অসমীয়া চুটিগল্পত নাৰী জীৱনৰ প্ৰতিফলন	ড° জ্ঞানেন্দ্ৰ কলিতা	172
• জ'ছেলিন বেল বাৰ্গেল : বিশেষ শক্তিকাৰ মহিলা	জ্যোতিৰ্জিৎ	181
• নাৰী আৰু সংগীতৰ এক নতুন দৃষ্টিৰে	পুষ্পাঞ্জলি শিৱম শৰ্মা	185
• নাৰীবাণী সমালোচনা আৰু অসমীয়া চুটিগল্প	ড° অৰ্পিতা দাস	197
• ড° অমিতা গুহৰ আত্মজীৱনী "জীৱনৰ জোৰাৰ ভাটৰ মাজেৰে" এটি বিশ্লেষণ	ড° বৰ্ণালী দাস	207
• হিন্দী উপন্যাস 'নিৰ্মলা' আৰু অসমীয়া উপন্যাস 'জীৱনৰ বাট'ত চিত্ৰিত নাৰী জীৱন	সুপম পাল	213
• জেঠী উমিলা তালুকদাৰ আৰু তেখেতৰ জীৱন পৰিকল্পনা	সুপাৰী হাজৰিকা	218
• নাৰী আৰু বৰ্তমান সমাজ	এ. এছ. শেখ	221

হিন্দী উপন্যাস 'নিৰ্মলা' আৰু অসমীয়া উপন্যাস 'জীৱনৰ বাট'ত চিত্ৰিত নাৰী জীৱন

সুপম পাল

সহকাৰী অধ্যাপক, অসমীয়া বিভাগ
বিবিক কলেজ, নগাঁও, বৰপেটা

সংক্ষিপ্তসাৰ :

সাহিত্যৰ এক উল্লেখযোগ্য ভাগ হৈছে - উপন্যাস। মূলী প্ৰেমচন্দৰ 'নিৰ্মলা' আৰু বিৰিঞ্চি কুমাৰ বৰুৱাৰ 'জীৱনৰ বাট'ত দুয়োখন উপন্যাসতে নাৰী জীৱনৰ কৰুণতম দিশবোৰ স্পষ্ট ৰূপে প্ৰতিফলিত হৈছে। জীৱনৰ বাটত উপন্যাসত যিদৰে নাৰী জীৱনৰ দুখ-দুৰ্দশা, দলিত, লুপ্ত আদিৰ ক্ষকপ দাঙি ধৰিছে তেনেদৰে 'নিৰ্মলা' উপন্যাসত চিত্ৰিত হৈছে সমসাময়িক সমাজ জীৱনত প্ৰচলিত যৌতুক প্ৰথা আৰু অমিল বিবাহৰ দৰে সামাজিক কু-প্ৰবৃত্তিৰ চিত্ৰ। পুৰুষশাসিত সমাজত নাৰীৰ জীৱনৰ পৰাধীনতাৰ প্ৰতিচ্ছবি পৰিদৃষ্ট হোৱা দেখা যায় দুয়োখন উপন্যাসত নাৰীজীৱন বিপন্ন হৈছে ত্যাগ আৰু সহনশীলতাৰ মাজেৰে।

অধ্যয়নৰ প্ৰয়োজনীয়তা আৰু গুৰুত্ব :

মূলী প্ৰেমচন্দৰ 'নিৰ্মলা' আৰু ড° বিৰিঞ্চি কুমাৰ বৰুৱাৰ 'জীৱনৰ বাট'ত উপন্যাসে সাহিত্য জগতত অগ্ৰণী ভূমিকা গ্ৰহণ কৰিছে। নাৰী জীৱনৰ বাটত উপন্যাসে সাহিত্য জগতত অগ্ৰণী ভূমিকা গ্ৰহণ কৰিছে। নাৰী জীৱনৰ বাটত উপন্যাসে সাহিত্য জগতত অগ্ৰণী ভূমিকা গ্ৰহণ কৰিছে। নাৰী জীৱনৰ বাটত উপন্যাসে সাহিত্য জগতত অগ্ৰণী ভূমিকা গ্ৰহণ কৰিছে।

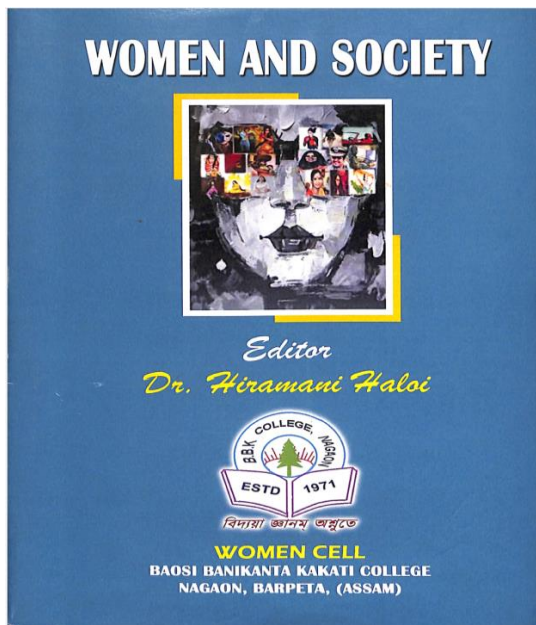
জীৱনৰ অধ্যয়ন। তদুপৰি চি. ব. ছি. এচ পাঠ্যক্ৰমত ছাত্ৰ-ছাত্ৰীৰ উপকৃত হোৱাকৈ দুয়োখন উপন্যাসৰে অধ্যয়নৰ যথেষ্ট প্ৰয়োজন আৰু গুৰুত্ব আছে।

সিদ্ধান্ত :

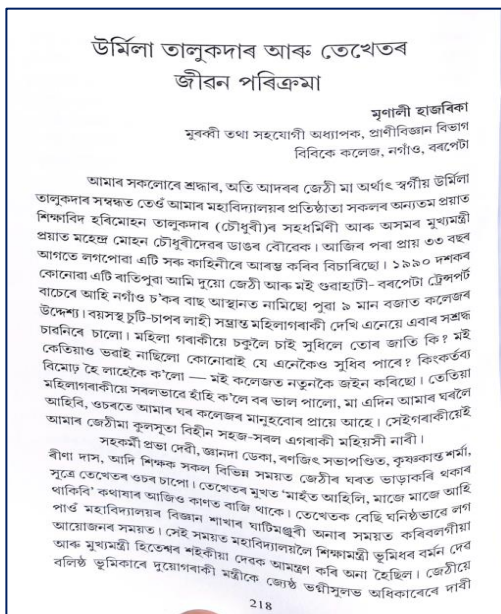
আলোচনাৰ অন্তত এনে এটা সিদ্ধান্তত উপনীত

The book is print only. Web link for the book is not available

71) Mrinali Hazarika (2022-23)

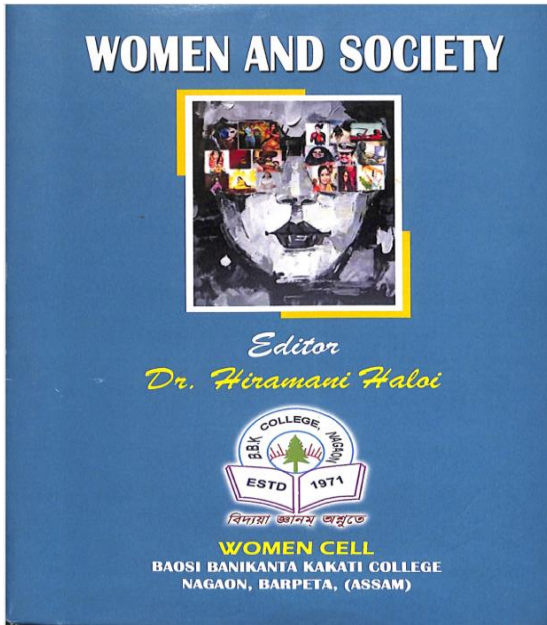


● PHOBIA - A Mental Disorder	Dr. Manalisha Deka	111
● Invisible Barriers	Kanchita Talukdar	119
● Girls - A boon not a Burden	Mamuni Chetry	124
● Kamala Sohoni - First Indian woman to get a PhD in the Sciences at a British university	Dr. Mrinal K. Mishra	129
● Celebrating Sisterhood in Christina Rossetti's <i>Goblin Market</i>	Dr. Kishor Kumar Deka	132
● A Critical Study of the character of Rani in Girish Karnad's play <i>Naga-Mandala</i>	Dr. Pranjoyoti Deka	137
● Deconstructing patriarchy: Body as a Site of Female Resistance in Mahashveta Devi's "Draupadi"	Anupama Devi	142
Part - II		
● নাৰী দৃষ্টি : পুৰুষ প্ৰধান সমাজত সমন্বয়তা ড° বৰজিৎ সভাপণ্ডিত		151
● উপন্যাসত চৰিত্ৰ নিৰ্মাণ, উত্তৰণ : 'কনচাৰী' আৰু 'প্ৰভা'ৰ বিশেষ উল্লেখসহ	ড° বিনীতা বৰা দেৱেশ্বৰী	156
● অসমীয়া সমাজত নাৰীবাদৰ উদ্ভৱ আৰু অসমীয়া সাহিত্যত নাৰীবাদী চিন্তাৰ ক্ৰমবিকাশ	প্ৰদীপ দাস	163
● যুদ্ধোত্তৰ যুগৰ অসমীয়া চুটিগল্পত নাৰী জীৱনৰ প্ৰতিফলন	ড° ৰাজেন্দ্ৰ চক্ৰৱৰ্তী	172
● জ'ছেলিন বেল বাৰ্গেল : বিশেষ শক্তিকাৰ মহিলাসকল	হৰদেৱ অলক	181
● নাৰী আৰু সৰ্বস্বত্বাধিকাৰৰ এক নতুন দৃষ্টিৰে	পুষ্পাঞ্জলি শিৱম শৰ্মা	185
● নাৰীবাদী সমালোচনা আৰু অসমীয়া চুটিগল্প	ড° অৰুণমণি দাস	197
● ড° কনিমা গুহৰ 'আহুজীৱনী' "জীৱনৰ জোৰাৰ জাতিৰ মাজেদি" এটি বিশ্লেষণ	ড° ৰূপালী দাস	207
● হিন্দী উপন্যাস 'মিলন' আৰু অসমীয়া উপন্যাস 'জীৱনৰ বাট'ত চিত্ৰিত নাৰী জীৱন	পুষ্পম পাহু	213
● জেঠী উৰ্মিলা তালুকদাৰ আৰু তেখেতৰ জীৱন পৰিকল্পনা	পুষ্পালী হাজৰিকা	218
● নাৰী আৰু বৰ্তমান সমাজ	ব. এইচ. শেখা	221

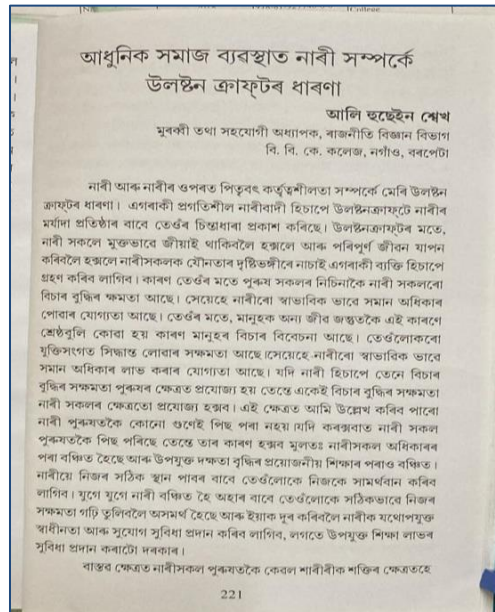


The book is print only. Web link for the book is not available

72) Ali Hussain Sheikh (2022-23)

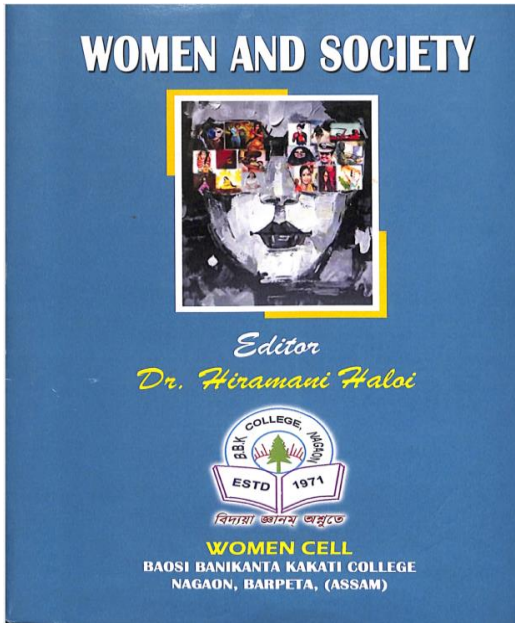


● PHOBIA - A Mental Disorder	Dr. Manalisha Deka	111
● Invisible Barriers	Kanchita Talukdar	119
● Girls: A boon not a Burden	Mamunni Chetry	124
● Kamala Schone: First Indian woman to get a PhD in the Sciences at a British university	Dr. Mrital K. Mishra	129
● Celebrating Sisterhood in Christina Rossetti's 'Goblin Market'	Dr. Kishor Kumar Deka	132
● A Critical Study of the character of Rani in Girish Karnad's play 'Naga-Mandala'	Dr. Pranjoyoti Deka	137
● Deconstructing patriarchy: Body as a Site of Female Resistance in Mahashveta Devi's 'Drapadi'	Anupama Devi	142
Part - II		
● নারী মুক্তিঃ পুৰুষ প্ৰধান সমাজত সমমৰ্যদা তঃ কলিৰ সজাগতা		151
● উপন্যাসত চৰিত্ৰ নিৰ্মাণ, উদ্ভাৱনঃ 'কনচাৰী' আৰু 'প্ৰভা' বিশেষ উল্লেখসহ	ডঃ বিনীতা বৰা দেৱগোঁড়া	156
● অসমীয়া সমাজত নারীৰ দৰাৰ উদ্ভাৱন আৰু অসমীয়া সাহিত্যত নারীৰ দৰাৰ ভূমিকা	প্ৰদীপ দাস	163
● যুদ্ধোত্তৰ যুগৰ অসমীয়া চুটিগল্পত নারী জীৱনৰ প্ৰতিফলন	ডঃ অমল কলিতা	172
● জ'ছেলিন বেকাৰ্ফেল্ডঃ বিশেষ শক্তিকাৰ মহিলা জ্যোতিৰ্বিদ	প্ৰদীপ দাস	181
● নারী আৰু সৰলীকৰণৰ এক নতুন দৃষ্টিৰে	পুষ্পাঞ্জলি নিবৰ্মা	185
● নারীবাদী সমালোচনা আৰু অসমীয়া চুটিগল্প	ডঃ অৰুণমি দাস	197
● ডঃ অমিতা গুহৰ আত্মজীৱনী 'জীৱনৰ জোৰাৰ ভাটৰ মাজেদি' এটি বিশ্লেষণ	ডঃ কলীতা দাস	207
● হিন্দী উপন্যাস 'মিলা' আৰু অসমীয়া উপন্যাস 'জীৱনৰ বাটত চহিত নবী জীৱন	প্ৰদীপ দাস	213
● জেঠী উমিলা তালুকদাৰ আৰু তেখেতৰ জীৱন পৰিচয়	পুষ্পাঞ্জলি হাজৰিকা	218
● নারী আৰু বৰ্তমান সমাজ	ডঃ প্ৰদীপ দাস	221



The book is print only. Web link for the book is not available

73) Runumi Hazarika Pathak (2022-23)

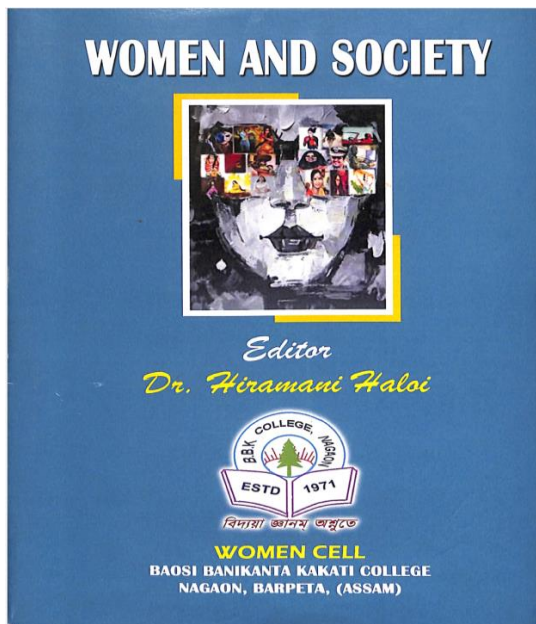


• নারী স্বাধীনতাৰ ইটো সিটো কথা	কণুমী হাজৰিকা পাঠক	224
• অসমত মহিলা শিক্ষণৰ অৱস্থা আৰু আৰ্থ সামাজিক শিশু ইয়াৰ প্ৰভাৱ	শ্ৰীমতী হাজৰিকা	228
Part - III		
• শাক কে বচনোঁ ম' 'স্বা'	শ্ৰীমতী হাজৰিকা	233
• মনু ধৰ্ম্মৰী কে ত্ৰপন্যাসী ম' নারী কী স্থিতি	কণুমী হাজৰিকা	237

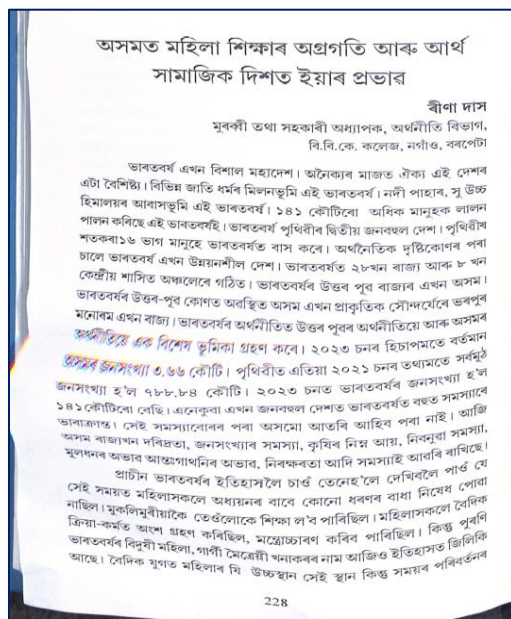
নারী স্বাধীনতাৰ ইটো সিটো কথা	
কণুমী হাজৰিকা পাঠক	
সহযোগী অধ্যাপক, অসমীয়া বিভাগ বি.বি.কে. কলেজ, নগাঁও, বৰপেটা	
নারী আৰু পুৰুষ উভয়ে প্ৰকৃতিৰেই সৃষ্টি। উভয়ে নিজৰ নিজৰ কৰ্ম সম্পাদনা কৰি সমাজখন আগবঢ়াই লৈ যায়। কোনোও কাৰো অনিষ্ট নকৰাকৈ চলি যোৱালৈকে কোনো কথা নাই, কথা আছে তেতিয়া যেতিয়া নিজকে সৰল বুলি ভবা শ্ৰেণীটোৱে আপাতত দুৰ্বল জ্ঞান কৰা শ্ৰেণীটোৰ ওপৰত শোষণ, অত্যাচাৰ আৰম্ভ কৰে। ঐতিহাসিক যুগৰপৰাই সমাজৰ সৰু বৰ জাতি, শ্ৰেণীৰ মেক বিভাজন কৰি এটা শ্ৰেণীক সদায় নিৰ্ভৰাৱে গ্ৰাপ্য অধিকাৰ কিছুমানৰ পৰা বঞ্চিত কৰি অহা হৈছে। সেই অৰ্থতে 'অবক্ষিত' শব্দেৰে এই শ্ৰেণীটোক বিভূষিত কৰা হৈছে। 'অবক্ষিত' অৰ্থাৎ যাক বক্ষা কৰা হোৱা নাই। ইয়াত মূলতঃ মানুহৰ অধিকাৰ অৰ্থাৎ সৰু সৰু জাতি, জনগোষ্ঠী, কৰ্ম ভিত্তিক হোৱা জাতি-উপজাতি সমূহকেই বুজোৱা হৈছিল। সমাজত বসবাস কৰা সকলো লোকেই সমান অধিকাৰ ভোগ কৰিবলৈ নাপায়। আনবোৰ কাৰক বাদ দিলেও কেবল সমাজত সুখ-শান্তিৰ প্ৰাৰ্থিত অবক্ষিত শ্ৰেণীটোৱে সামাজিক ৰীতি-নীতি, ধৰ্মীয় আচাৰ-নীতিৰ অনুষ্ঠানৰ আওপুৰণি ধাৰণা কিছুমানৰ বশবৰ্তী হৈ মূলসুঁতিৰ পৰা নিলগত বাস কৰিবলগীয়া হৈছে। সেইসকল পূৰ্ণ পৰ্যায়ৰ তেজ মণ্ডৰ মানুহ আৰু এইসকলে মৌলিক অধিকাৰ আৰু মুক্ত, স্বাধীনতা ভোগ কৰিবলৈ পাৰ নাপে। ৰাষ্ট্ৰসংঘৰ চনদতো সমাজৰ এই দুৰ্বল শ্ৰেণীসমূহৰ মানৱীয় অধিকাৰৰ কথা কোৱা হৈছে। এই সমূহ অবক্ষিত গোটৰ ভিতৰত মহিলা, শিশু আৰু বিভিন্ন সংখ্যালঘু উদ্যোগত এই সমূহ অবক্ষিত তথা অৱহেলিত গোটৰ অধিকাৰ বক্ষ্যবক্ষ্যৰ বাবে সময়ে সময়ে বিভিন্ন সিদ্ধান্ত গ্ৰহণ কৰি আহিছে। দ্বিতীয় মহাযুদ্ধৰ পাছৰপৰাই মহিলাৰ অধিকাৰ সম্পৰ্কত অধিক মানোনিবেশ কৰা হৈছে। ৰাষ্ট্ৰসংঘৰ চনদৰ প্ৰস্তাবনাৰ মানব অধিকাৰ সম্পৰ্কীয়	
224	

The book is print only. Web link for the book is not available

74) Rina Das (2022-23)

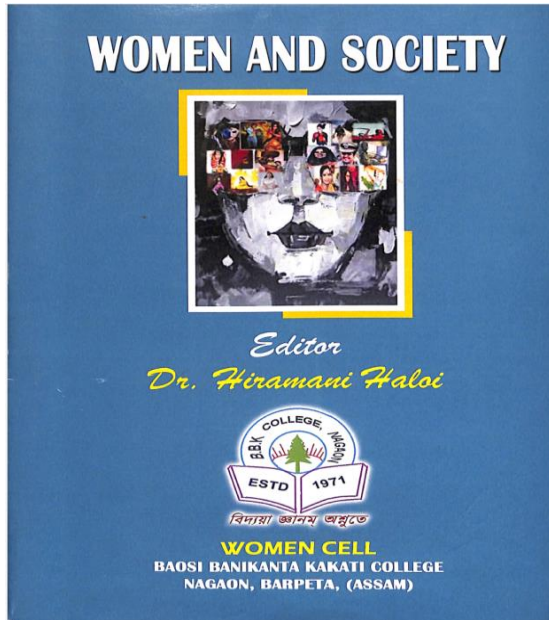


• শ্রমী আৰম্ভণিৰ উত্তৰে নিৰ্বাচন কৰা	কলমী হানিকতা দাস	224
• অসমত মহিলা শিক্ষাৰ অগ্ৰগতি আৰু আৰ্থ সামাজিক দিশত ইয়াৰ প্ৰভাৱ	শ্ৰীমা দাস	228
Part - III		
• শাক কে বৰতীৰ মৈ 'স্বৰী'	শ্ৰীমা দাস	233
• মনু ধৰ্ম্মদৰীৰ উপন্যাসত মৈ নারী কী স্থিতি	কলমী হানিকতা দাস	237

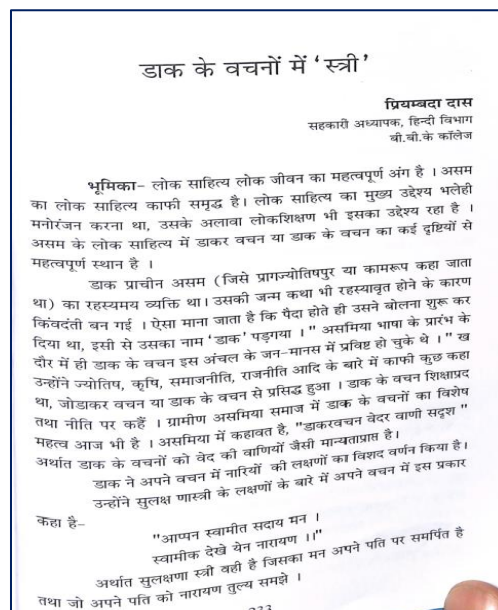


The book is print only. Web link for the book is not available

75) Priyambada Das (2022-23)

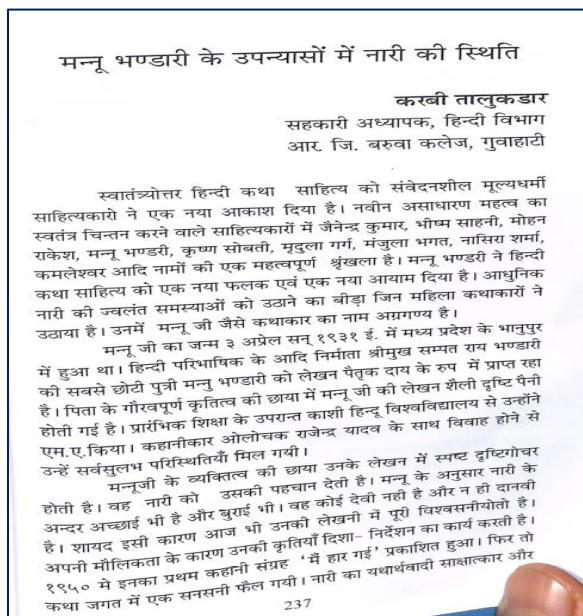
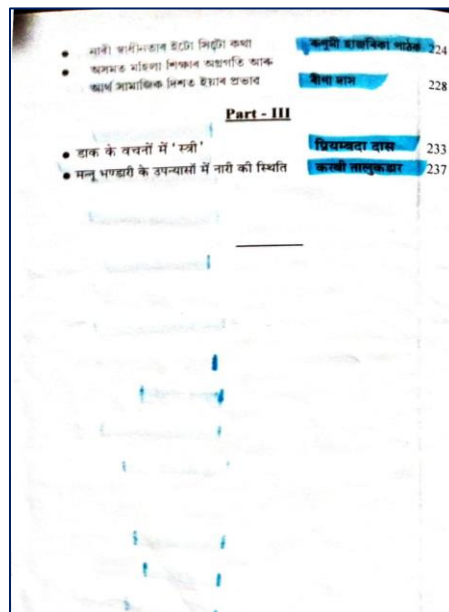
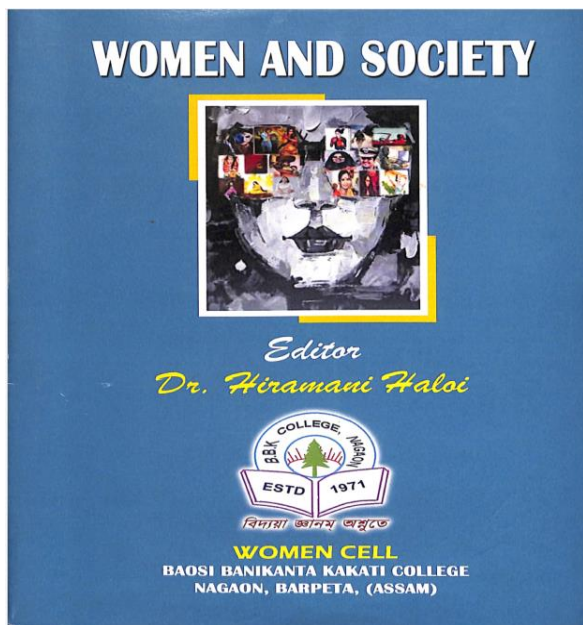


• भारती कामिन्नीकाव्ये हिंदी मिथिला कथा	कमली बाबुका मोहन	224
• अस्मिता भाषाया निष्कलन काव्यपरिचय आत्म- काव्य आत्मशिक्षक अस्मिता भाषाया आत्म	विद्या कान्त	228
Part - III		
• डाक के वचनों में 'स्त्री'	प्रियम्बदा दास	233
• मनुष्य धराधारी के उपन्यासों में नारी की स्थिति	कमली बाबुका मोहन	237



The book is print only. Web link for the book is not available

76) Karabi Talukdar (2022-23)



The book is print only. Web link for the book is not available

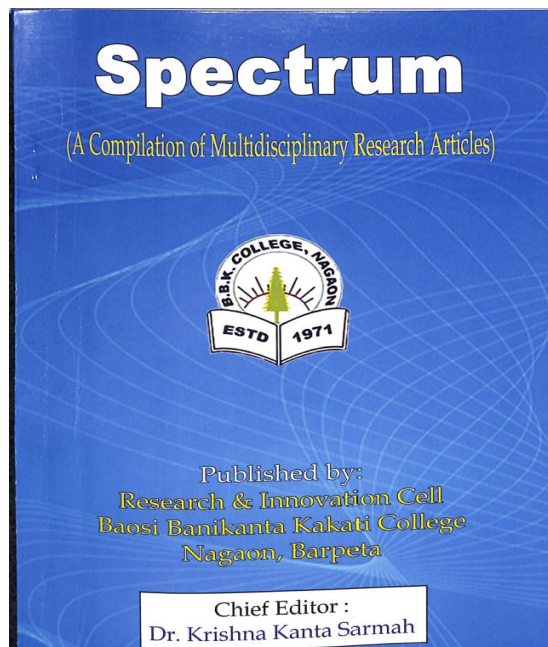


BAOSI BANIKANTA KAKATI COLLEGE

Nagaon, Barpeta
Assam – 781311 (INDIA)

Dr. Pradip Das
Principal

77) Phulrenu Mishra (2022-23)



CONTENTS	
	Page
● Role of Damodardev in New-vaishnavite movement in Assam	Phulrenu Mishra 1
● Barpeta As A Satra Nagara	Mr. Azizur Rahman 15
● Diabetes Mellitus: Classification And Types	Rajashree Deka & Jogen Ch. Kalita 27
● An Empirical Study on The Effects of Foreign Direct Investment and Economic Development in India	Ajanta Das 38
● Fusion Energy and ITER Project	Dr. Arindam Phukan 48
● Women in STEMM: A glimpse on the opportunities, Challenges, and the way ahead	Krishna Das & Devi Basumatari 55
● Combating Identity Crisis of Refugee	Dr. Abani Kumar Das 69
● Immigration: Causes and Consequences	Kanchita Talukdar 81
● A Project Report on the Study of Comparative Efficiency of Different Antacids	Dr. Diganta Bhuyan 87
● Qualitative analysis of <i>Escherichia coli</i> in drinking water of different locations at Tezpur	Dr. Dipanjali Saikia 95
● Effective Disaster Management by community involvement	Dr. Hemen Kakati 114
● Energy storage application of nanomaterials	Barnali Pathak & Jyoti Prasad Roy Choudhary 121
● Ring in Which Every element is Sum of Two and minus of one or Sum of one and minus of two commuting idempotents	Kumar Napoleon Deka 129
● Present Status of Ichthyofaunal Diversity of Balaisuti Beel and Gara Beel, Barpeta District, Assam	Masoj Kumar Rajbongshi 133

Role of Damodardev in Neo-vaishnavite movement in Assam

Phulrenu Mishra
Department of History B.B.K. College

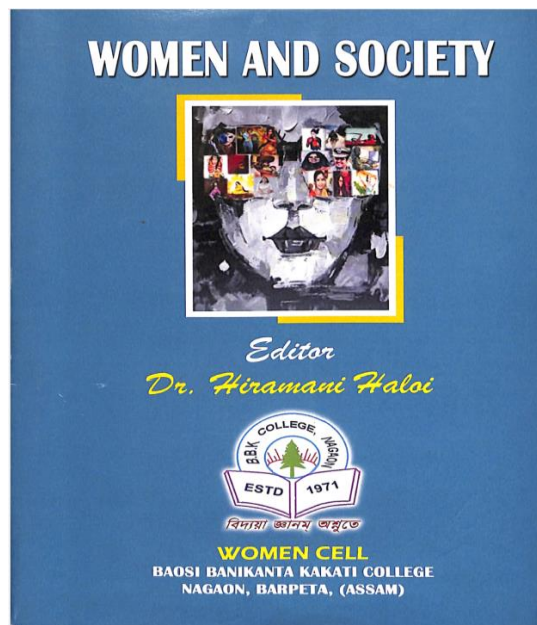
Abstract: The Neo-Vaishnavite Movement spearheaded by saint Sankardeva is a great socio cultural revolution in Assam. It started on the theme of working towards the upliftment of the backward classes and minimization of the rigidity of cast distinctions. Damodardev was one of the chief followers of sankardeva. He was attracted towards the bhakti movement by sankardeva. Damodardev's father Satananda was Sankardeva's friend and sankardeva guided damodardev in his spiritual journey. All biographical works maintain that Madhabdev and Damodardev came into direct clash immediately after the death of sankardev at Koch Behar which led damodardev to declare his independence and create his own circle later called brahma samhati, where he would be working in his own way. Damodardev was a great religious organizer and a social reformer. This paper is an attempt to study about the role of amodardev in Neo-vaishnavite Movement in Assam.

Key words : Neo-vaishnavism, upliftment, Brahma-samhati

Introduction: Damodardev was sixteenth century neo vaishnavite preceptor of Assam. He is considered to be one of the most important figures in the history of the vaishnavite movement in Assam. Damodardev dedicated his life to social reforms and spiritual teachings. His contributions to the society have left a lasting impact on the region's culture and tradition. Damodardev was the architect of full-fledged satra system.

The book is print only. Web link for the book is not available

78) Azizur Rahman (2022-23)

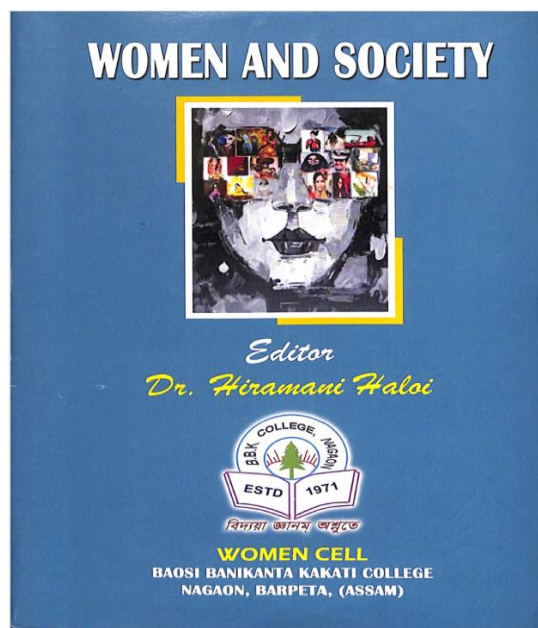


CONTENTS		Page
• Role of Damodardev in New-vaishnavite movement in Assam	Phulrena Misra	1
• Barpeta As A Satra Nagara	Mr. Azizur Rahman	15
• Diabetes Mellitus: Classification And Types	Rajashree Deka & Jogen Ch. Kalita	27
• An Empirical Study on The Effects of Foreign Direct Investment and Economic Development in India	Ajanta Das	38
• Fusion Energy and ITER Project	Dr. Arindam Phukan	48
• Women in STEMM: A glimpse on the opportunities, Challenges, and the way ahead	Krishna Das & Devi Basumatari	55
• Combating Identity Crisis of Refugee	Dr. Abani Kumar Das	69
• Immigration: Causes and Consequences	Kanchita Talukdar	81
• A Project Report on the Study of Comparative Efficiency of Different Antacids	Dr. Diganta Bhuyan	87
• Qualitative analysis of <i>Escherichia coli</i> in drinking water of different locations at Tezpur	Dr. Dipanjali Saikia	95
• Effective Disaster Management by community involvement	Dr. Hemen Kakati	114
• Energy storage application of nanomaterials	Barnali Pathak & Jyoti Prasad Ray Choudhary	121
• Ring in Which Every element is Sum of Two and minus of one or Sum of one and minus of two commuting idempotents	Kumar Napoleon Deka	129
• Present Status of Ichthyofaunal Diversity of Balaisuti Beel and Gara Beel, Barpeta District, Assam	Masoj Kumar Rajbongshi	133

Barpeta as a Satra Nagari	
Mr. Azizur Rahman Deptt. of History B. B. K. College, Nagaon, Barpeta	
Abstract : Satra is a special indigenous social institutional centre, mainly associated with the Ekaharana tradition of Vaishnavism in the satra of Assam. The Neo Vaishnavite movement brought immense religious to assam which eventually brought changes to the assamese social and cultural life. In Assam movement was initiated by Sankardeva. Sankardeva took various measures for the spread and expansion of this Neo Vaishnavite movement or religion. One of the results of this movement was established of a social organisation known as 'satra'. Satra is a such a platform which is very closely connected to the assamese lifeline. Satra enrich our culture in a unique way. The cultural practise of satra is popularly known as satriya culture. Various cultural programme, drama, music, instruments handicraft, mask making are the main elements of satriya culture. The satra help people to develop their cultural activities as well as financial activities. Satra carries greater educative value in the formation of assamese society. Keyword: Satra, Satriya Culture, Sankardeva, Neo Vaishnavite movement, Barpeta, Assamese, Culture and Society. Introduction: The Vaishnavite movement of Assam initiated by Shri Sankardeva during the last part of fifteenth century of christian era is remarkable for the religious and social life of medieval Assam. Its impact on religion, literature, fine arts and social life of Assam, particularly on the Brahmaputra valley is indeed great. Sankardeva took various measures for the spread and expansion of this Neo Vaishnavite movement or religion.	
15	

The book is print only. Web link for the book is not available

79) Kanchita Talukdar (2022-23)



CONTENTS	
	Page
• Role of Damodardev in New-Vaishnavite movement in Assam	Phulrenu Misra 1
• Barpeta As A Satra Nagara	Mr. Azizur Rahman 15
• Diabetes Mellitus: Classification And Types	Rajashree Deka & Jogen Ch. Kalita 27
• An Empirical Study on The Effects of Foreign Direct Investment and Economic Development in India	Ajanta Das 38
• Fusion Energy and ITER Project	Dr. Arindam Phukan 48
• Women in STEM: A glimpse on the opportunities, Challenges, and the way ahead	Krishna Das & Devi Basumatari 55
• Combating Identity Crisis of Refugee	Dr. Abani Kumar Das 69
• Immigration: Causes and Consequences	Kanchita Talukdar 81
• A Project Report on the Study of Comparative Efficiency of Different Antacids	Dr. Diganta Bhuyan 87
• Qualitative analysis of <i>Escherichia coli</i> in drinking water of different locations at Tezpur	Dr. Dipanjali Saikia 95
• Effective Disaster Management by community involvement	Dr. Hemen Kakati 114
• Energy storage application of nanomaterials	Barnali Pathak & Jyoti Prasad Roy Choudhary 121
• Ring in Which Every element is Sum of Two and minus of one or Sum of one and minus of two commuting idempotents	Kumar Napoleon Deka 129
• Present Status of Ichthyofaunal Diversity of Balasuti Beel and Gara Beel, Barpeta District, Assam	Manoj Kumar Rajbongshi 133

IMMIGRATION : Causes and Consequences	
Kanchita Talukdar Department of Economics. BBK College Nagaon, Barpeta	
Abstract : As the world's largest origin for international migration India has a rich history of immigration and emigration. Most recently the Middle East and Western countries have been destinations for Indians abroad. Slightly more than half of India's 17.9 million emigrants in 2020 lived in Persian gulf countries which nearly 3.5 million in the United Arab Emirates alone. Many have moved abroad for employment purposes, better standard of living, family reunification, educational purposes, natural disaster, climate conditions, to find or engage in paid work, etc. The states of Uttar Pradesh, Bihar, Tamil Nadu and Kerala are the major sources of Indian emigration. Work related migration is largely dominated by men. India is also a significant country of immigration with nearly 4.9 million in bond residence 2020, mostly from elsewhere in South Asia. Immigration has been trending downwards in recent years but it continues to play prominent role in National political debates and has stirred tensions with neighboring country Bangladesh. Keywords : Immigration, Emigration, Remittance, Humankind, Culture, Diversity, Infertility, Transformation, Challenges. Objectives : - To study the challenges faced by the host country. - To analyze the Trend of Immigration in India. - To study the impact of migrants on the members of the host country.	
81	

The book is print only. Web link for the book is not available

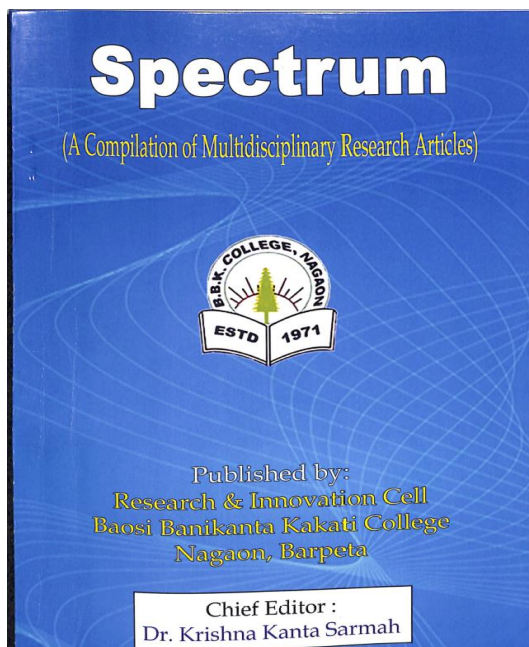


BAOSI BANIKANTA KAKATI COLLEGE

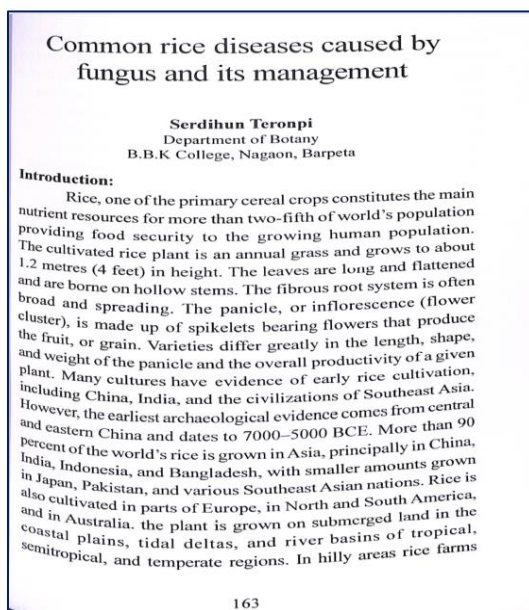
Nagaon, Barpeta
Assam – 781311 (INDIA)

Dr. Pradip Das
Principal

80) Serdihun Teronpi (2022-23)



• A Survey on The Endangered Medicinal Plants Used by different tribes of Gohpur Subdivision, Assam	Janmoni Borah & 148 Sharmista Chakravarty
• Common rice diseases caused by fungus and its management	Serdihun Teronpi 162
• An approach for identification of cloud type from Lidar echogram	Dr. Bandita Choudhury & Dr. Upakul Mahanta 170
• ডা' অৰুণা পটীয়া কলিতাৰ 'অয়নাৰ' উপন্যাসত নদী সৃষ্টিৰ চেতনা : এটি অধ্যয়ন	ডা' বৰ্ণালী দাস 183
• লোকমায়ম-পৰম্পৰা আৰু পৰিৱৰ্তন	ডা' হীৰামণি হাৰিশে 190
• গোহালপাৰা জিলাৰ বাস্তুসংস্থ কল্যানেৰ বাবে জনস্বাস্থ্যকলম নটী চৰ্চা : এক অধ্যয়ন	সুপৰম শানল 196



The book is print only. Web link for the book is not available

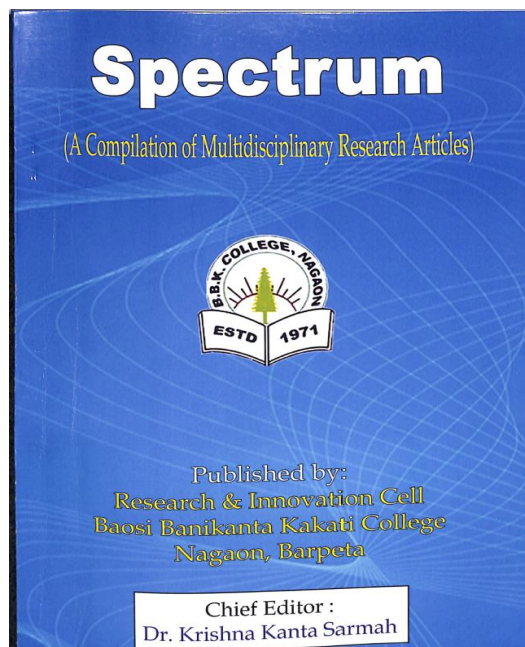


BAOSI BANIKANTA KAKATI COLLEGE

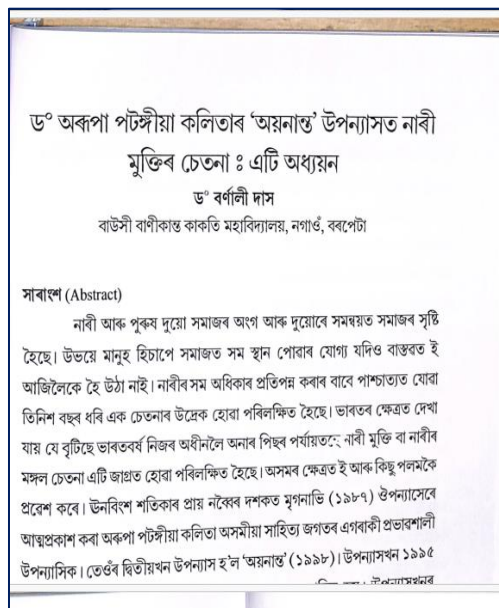
Nagaon, Barpeta
Assam – 781311 (INDIA)

Dr. Pradip Das
Principal

81) Dr. Barnali Das (2022-23)

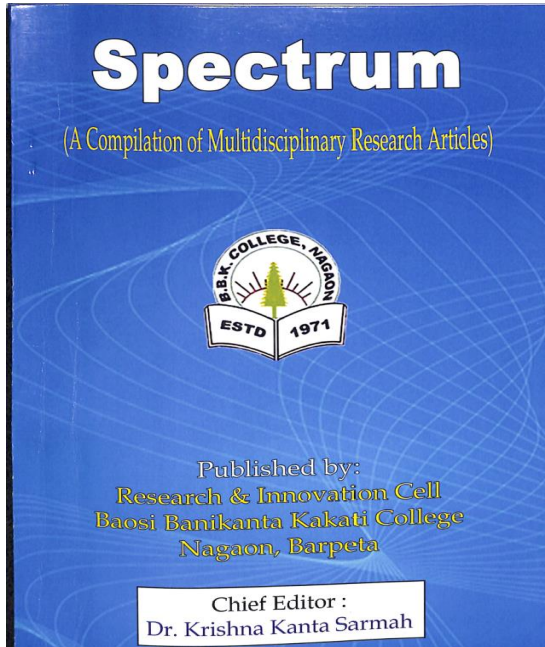


• A Survey on The Endangered Medicinal Plants Used by different tribes of Gohpur Subdivision, Assam	Janmoni Borah & 148 Sharmista Chakravarty
• Common rice diseases caused by fungus and its management	Serdibun Teropapi 162
• An approach for identification of cloud type from Lidar echogram	Dr. Bandita Choudhury & Dr. Upakul Mahanta 170
• ড° অৰুণা পট্টশীয়া কলিতাৰ 'অয়নান্ত' উপন্যাসত নাবী মুক্তিৰ চেতনা : এটি অধ্যয়ন	ড° বৰ্ণালী দাস 183
• লোকমায়ম-পৰম্পৰা আৰু পৰিৱৰ্তন	ড° হীৰামণি হাজি 190
• গোহালপাৰা জিলাৰ বাস্তুত্বা কলাকেশ্বৰ বাৰা জনজাতিকল্পন নটী চৰ্চ : এক অধ্যয়ন	সুপৰ্না শাল 196



The book is print only. Web link for the book is not available

82) Dr. Hiramani Haloi (2022-23)



• A Survey on The Endangered Medicinal Plants Used by different tribes of Gohpur Subdivision, Assam	Janmoni Borah & 148 Sharmista Chakravarty
• Common rice diseases caused by fungus and its management	Serdibun Teropapi 162
• An approach for identification of cloud type from Lidar echogram	Dr. Bandita Choudhury & Dr. Upakul Mahanta 170
• ড° অৰুণা পট্টায়া কলিতাৰ 'অয়নাৰ' উপন্যাসত নদী সৃষ্টিৰ চেতনা : এটি অধ্যয়ন	ড° দৰ্শনী দাস 183
• লোকমাধ্যম-পৰম্পৰা আৰু পৰিৱৰ্তন	ড° হীৰামনি হালৈ 190
• গোহালপাৰা জিলাৰ বাসুংগুৱা কলাকেন্দ্ৰৰ বাতী জনস্বাস্থ্যকলম নটী চৰ্চা : এক অধ্যয়ন	সুপৰম শাল 196

লোকমাধ্যম-পৰম্পৰা আৰু পৰিৱৰ্তন

ড° হীৰামনি হালৈ

বাউসী বাণীকান্ত কাকতি মহাবিদ্যালয়, নগাঁও

কৰপেটা (অসম)

আৰম্ভণি :

লোকমাধ্যম সাধাৰণতে মানুহৰ পৰিৱেশনক সূচায়। লোকনৃত্য, গ্ৰাম্যগল্পৰ নাট আৰু সাংস্কৃতিক বৈচিত্ৰ্য ইয়াৰ উপাদান। এই পদটিয়ে সেই অভিনীত কলাসমূহক নিৰ্দেশ কৰে- যিবোৰ মানুহৰ সাংস্কৃতিক জীৱনৰ প্ৰতীক স্বৰূপ। পৰম্পৰাগত লোকমাধ্যম হ'ল ব্যক্তিগত যোগাযোগ আৰু মনোৰঞ্জনৰ এক প্ৰকাৰ। ভাৰতবৰ্ষৰ বিশেষকৈ গৰিলীয়া অঞ্চলবোৰত যোগাযোগৰ মাধ্যম হিচাপে এতিয়াও পৰম্পৰাগত শৈলীসমূহ যেনে - লোকনাট, লোকসঙ্গ, ধৰ্মীয় আলোচনা আদিয়ে বিশেষ ভূমিকা গ্ৰহণ কৰি আছে। বাতী সম্ভাষণ কৰাৰ উপায় হিচাপে ব্যৱহাৰ কৰা পৰম্পৰাগত লোকশৈলীসমূহৰ চৰিত্ৰও বৈচিত্ৰ্যপূৰ্ণ। এই শৈলীসমূহত নাটক, নৃত্য, গীত, মুকাভিনয়, বৰ্ণিত লোককথা, পুতলা নাচ আদিৰ উপকৰণ নিহিত হৈ থাকে। যোগাযোগৰ এই পৰম্পৰাগত শৈলীসমূহতে অৰ্থনৈতিক আৰু সামাজিক বিকাশৰ বাতী বহনকাৰী সাজ্জাত উৎস নিহিত হৈ থাকে।

লোকমাধ্যমে বিদ্যালয়ৰ সম্পৰ্কৰ বাহিৰৰ জনতাৰ বাবেও গুৰুত্বপূৰ্ণ ভাৱে বহন কৰে। কৰণ ই আমাৰ সামাজিক আৰু সাংস্কৃতিক গাঁথনিৰ সৈতে নিবিড় ভাবে সংযুক্ত। গ্ৰাম্যগল্প অশিক্ষিত বহিষ্কৃত সচেতন আৰু শিক্ষিত কৰি তোলাৰ ক্ষেত্ৰত লোকমাধ্যমৰ বিশেষ অৱদান আছে। লোকমাধ্যম সমূহ কেৱল বৈচিত্ৰ্যতেই নহয়, এইবোৰ অৰ্থনৈতিকভাৱেও সুবিধাজনক আৰু হাতৰে চুকি পোৱা বিধৰ। উল্লেখযোগ্য যে, এই অনুষ্ঠানবোৰ চলন্ত কাৰ্যসূচী হিচাপে প্ৰদৰ্শন কৰা হয় আৰু সেয়ে সাধাৰণ মানুহৰ ভৰসা দাবী কৰিব পাৰে। পৰম্পৰাগত লোক মাধ্যমসমূহত পৰিৱেশনকাৰী আৰু দৰ্শক সোতাৰ মাঝত প্ৰত্যক্ষ যোগাযোগ সম্ভৱ হয়।

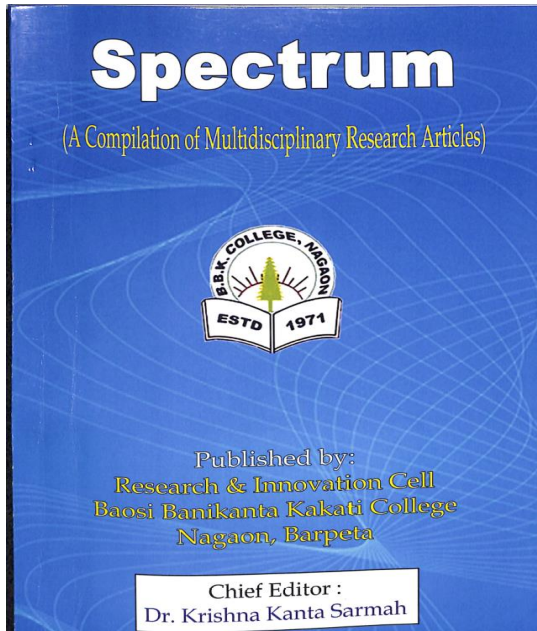
পদ্ধতি:

গবেষণা প্ৰণয়ন পদ্ধতিগতভাৱেই বিশেষগাঢ়ক পদ্ধতিৰ আধাৰত প্ৰস্তুত কৰা

190

The book is print only. Web link for the book is not available

83) Supam Paul (2022-23)

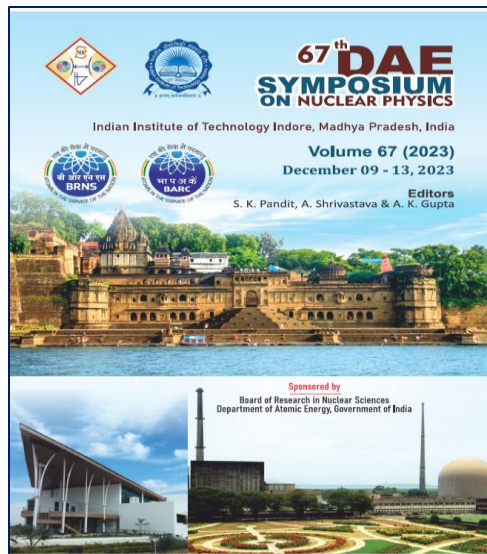


• A Survey on The Endangered Medicinal Plants Used by different tribes of Gohpur Subdivision, Assam	Janmoni Borah & 148 Sharmista Chakravarty
• Common rice diseases caused by fungus and its management	Serdibun Teropapi 162
• An approach for identification of cloud type from Lidar echogram	Dr. Bandita Choudhury & Dr. Upakul Mahanta 170
• ডা' অৰুণা পটীয়া কলিতৰ 'অৱলম্ব' উপন্যাসত নদী সৃষ্টিৰ চেতনা : এটি অধ্যয়ন	ডা' বৰ্ণালী দাস 183
• লোকমধ্যম-পৰম্পৰা আৰু পৰিৱৰ্তন	ডা' হীৰামণি হাট্টে 190
• গোৱালপাৰা জিলাৰ বাদুংদুপ্লা কলাকেম্বৰ ৰাভা জনজাতিসকলৰ নাট্য চৰ্চা: এক অধ্যয়ন	সুপম পাল 196

গোৱালপাৰা জিলাৰ বাদুংদুপ্লা কলাকেম্বৰ ৰাভা জনজাতিসকলৰ নাট্য চৰ্চা: এক অধ্যয়ন	
সুপম পাল অসমীয়া বিভাগ বাউসী বাণীকান্ত কাকতি মহাবিদ্যালয়, নগাঁও, বৰপেটা	
সংক্ষিপ্তসংহ	
অসমৰ গোৱালপাৰা জিলাৰ অন্তৰ্গত বামপুৰ, বৰদামালত প্ৰতিষ্ঠিত বাদুংদুপ্লা কলাকেম্বৰ নাট মঞ্চস্থ কৰাত সুকীয়া স্থান লাভ কৰিছে। সাধাৰণ নাটতকৈ এই নাট অনন্য। ইয়াত নাই কোনো হাই-উকমি, আধুনিক মঞ্চসজ্জাৰ পৰা বহু আঁতৰত, প্ৰদূষণমুক্ত, মেকাপৰ প্ৰাধান্য নাই, শাল গছৰ মাজে মাজে প্ৰাকৃতিক পৰিবেশৰ মাজত এই নাট পৰিবেশন কৰা হয়। সাধুকথা, কিতবপুৰী আদিৰ কাহিনীভাগ সুন্দৰকৈ নাট্যৰূপ দিয়াত তেওঁলোক সিদ্ধহস্ত।	
সূচক শব্দ : বাদুংদুপ্লা, প্ৰকৃতি, শাল গছ, সুকীয়া	
বিষয়বস্তু অধ্যয়নৰ প্ৰয়োজনীয়তা আৰু গুৰুত্ব	
গোৱালপাৰা জিলাৰ অন্তৰ্গত বামপুৰ, বৰদামাল গাঁওখনত বসবাস কৰা ৰাভা জনজাতিয়ে পৰিবেশন কৰা বাদুংদুপ্লা কলাকেম্বৰ নাট্য পৰম্পৰা সম্পৰ্কে জনমলসত প্ৰচলিত হেৰাটে যথেষ্ট প্ৰয়োজন আছে। তেওঁলোকে পৰিবেশন কৰা নাট আন নাটতকৈ সুকীয়া। তেওঁলোকৰ নাট পৰিবেশন কৰি অসমীয়া সমাজ জীৱনলৈ যথেষ্ট অৱদান আগবঢ়াইছে।	
অধ্যয়নৰ পদ্ধতি :	
কেৱল অধ্যয়নৰ পৰা পোৱা এই গৱেষণামূলক প্ৰকল্প পত্ৰখন মূলতঃ বিশ্লেষণাত্মক পদ্ধতি ব্যৱহাৰ কৰা হৈছে আৰু প্ৰয়োজন সাপেক্ষে বৰ্ণনাত্মক পদ্ধতি অৱলম্বন কৰা হৈছে।	
০.০ অৱতৰণিকা :	
নাটকৰ পৰিসৰ বিশাল আৰু ব্যাপক। নাটক হ'ল এটি শক্তিশালী কলা সুলভ অভিজ্ঞতা। নাটক চোৱাৰ সময়ত এজন দৰ্শক হিচাপে আমি মঞ্চত উন্মোচিত ঘটনাবলীৰ অশ্বীৰ্বাস হওঁ যিটো সঁচাকৈয়ে এটি বহুসময় পৰিঘটনা। নাটকে সমাজ-সংস্কৃতিৰ বিকাশ আৰু ইয়াৰ পৰিৱৰ্তনৰ ক্ষেত্ৰতো মহত্বপূৰ্ণ ভূমিকা লব পাৰে। নাটকত দৰ্শকে প্ৰেক্ষাপুৰ্ণ	
196	

The book is print only. Web link for the book is not available

84) Harun Al Rashid (2022-23)



E36	Transfer angular distribution and role of transfer coupling in $^{16}\text{O}+^{100}\text{Sn}$ interactions	433
E37	Systematics of neutron transfer with weakly bound projectiles	435
E38	Revisiting one- and two-nucleon transfer in $^{100}\text{Sn}+^{60}\text{Ni}$ system within coupled reaction channels framework	437
E39	Elastic and inelastic scattering measurement of ^{90}Zr on ^{16}O	439
E40	Effect of target deformation on 1n-transfer channel for $^{17}\text{O}+^{100}\text{Sn}$ system	441
E41	Analytic investigations of the electromagnetic breakup of exotic nuclei using momentum space Coulomb wave functions.	443
E42	Multi-Nucleon Transfer Reaction Studies on $^{10,11}\text{B}+^{40}\text{Ca}$ at 50 MeV	445
E43	A Systematics For Multinucleon Transfer Reactions	447
E44	Positive Q-value neutron transfer in sub-barrier fusion of $^{16}\text{O}+^{120}\text{Te}$	449
E45	Isomeric ratio measurement for $^{14}\text{J}+^{144}\text{Sm}$ reaction	451
E46	Projectile breakup effects in the fusion dynamics of $^{8}\text{Be}+^{197}\text{Au}$ reaction	453
E47	Investigating Nuclear Reactions in $^{16}\text{O}+^{100}\text{Sn}$ System Around the Coulomb Barrier Energies	455
E48	Reduction methodology for weakly bound ^{6}Li projectiles on medium-heavy targets	457

Proceedings of the DAE Symp. on Nucl. Phys. 67 (2023)

445

Multi-Nucleon Transfer Reaction Studies on $^{10,11}\text{B}+^{40}\text{Ca}$ at 50 MeV

Harun Al Rashid^{1,2,*}, Amar Das^{1,3}, Lakhyajit Sarma¹, K. Kalita¹, Nabendu K. Deb⁴, Moussumi Bhuyan⁵, Taniya M. Sonowal¹, P. Supathan⁶, Goida K.S.⁷, A. Jhingani⁸, M. Sanesh⁹, Mohit Kumar⁹, Anamika Parihari⁷, Honey Arora¹, J.J. Das⁸, B.J. Roy¹⁰

¹Department of Physics, Gauhati University, Gauhati-781014, INDIA

²Department of Physics, BBK College, Nagaon-781311, INDIA

³Department of Physics, Saven Das College, Hajj-781102, INDIA

⁴Department of Physics, Kamrup College, Chamata-781306, Assam, INDIA

⁵Department of Physics, Rangia College, Rangia-781354, Assam, INDIA

⁶Inter University Accelerator Centre, New Delhi, 110067, INDIA

⁷Department of Physics & Astrophysics, University of Delhi, Delhi-11007, INDIA

⁸Department of Physics, Central Michigan University, Mt. Pleasant, Michigan, USA

⁹Department of Physics, Gauhati University, Gauhati-781001, Assam, INDIA

¹⁰Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai-400085, INDIA

*Rashidharun15@gmail.com

Introduction

Processes in which few nucleons are transferred between projectile and target are one of the dominant reaction channels in heavy ion collisions at energies around Coulomb barrier. Such reactions take place when the surfaces of the colliding nuclei come to distances where the tail of the nuclear wave function starts overlapping thereby, determining the frictional force between the surfaces [1-3]. Single nucleon transfer reaction probes to single particle character of states whereas pairing (p-p, n-n) or cluster effect can be observed from even number of nucleon transfer reactions [4,5]. Entrance channel properties such as deformation and mass asymmetry affect the formation of compound nucleus (CN) system or a multinuclear system [6,7]. Roy *et al.* has studied transfer reaction for the systems $^{16}\text{O}+^{27}\text{Al}$, $^{16}\text{O}+^{56}\text{Fe}$ (^{12}C , ^{14}C), $^{16}\text{O}+^{16}\text{O}$, $^{16}\text{O}+^{18}\text{O}$, $^{16}\text{O}+^{20}\text{Ne}$ and $^{16}\text{O}+^{24}\text{Mg}$ which shows significant properties of Q-value dependence on transfer processes [8].

In this paper, we have reported experimental details of the $^{10,11}\text{B}+^{40}\text{Ca}$ system at energy of 50 MeV in order to study effect of pair transfer on nuclear transfer cross section.

Experimental Details

Experiment was carried out with $^{10,11}\text{B}$ beam of 4⁺ charge state at incident energy, $E_{\text{lab}}=50$ MeV

obtained from Pelletron accelerator facility at Inter University Accelerator Centre (IUAC), New Delhi, India. Carbon backed (thickness 21.5 $\mu\text{g}/\text{cm}^2$) CaF_2 target of thickness 271.5 $\mu\text{g}/\text{cm}^2$ was used for this experiment which was fabricated at target laboratory of IUAC. Beam current was maintained at around 3.0 pA. Four Silicon Surface Barrier (SSB) detector telescopes of $\Delta E-E$ (40 μm -300 μm , 15 μm -300 μm , 50 μm -1.5mm, 40 μm -2mm) configuration were mounted on two movable arms of the General Purpose Scattering Chamber (GPSC) of 1.5 m diameter to detect the transfer products.

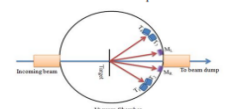


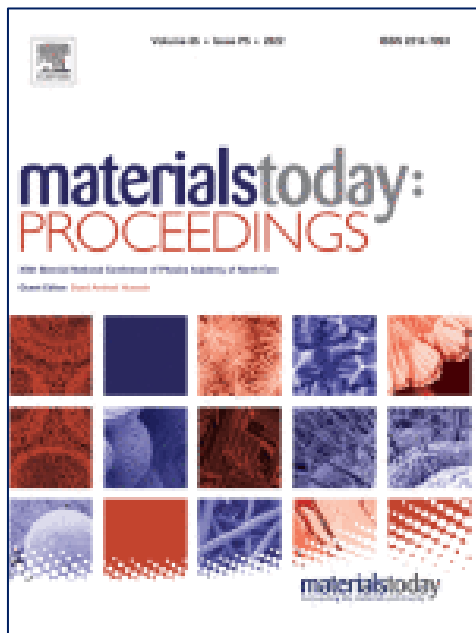
Fig. 1 A schematic diagram of the experimental setup at GPSC.

The angular range covered by detectors was from 18° to 62°. Two monitor detectors (M_1 and M_2) were placed at 10° on the either side of the beam direction for normalization purpose. A schematic diagram of the experimental arrangement is shown in Fig. 1.

Available online at www.sympnp.org/proceedings

[Link for the chapter](#)

85) Harun Al Rashid (2021-22)



XIIth Biennial National Conference of Physics Academy of North East

Copyright © 2022 Elsevier Ltd. All rights reserved. Selection and peer-review under responsibility of the scientific committee of the XII th Biennial National Conference of Physics Academy of North East (PANE 2022).

Edited by Dr Syed Arshad Hussain - sahussain@bipurauniv.ac.in

Volume 65, Part 5,

Pages 2479-2904 (2022)

[Download full issue](#)

Actions for selected articles

Select all / Deselect all

[Download PDFs](#)

[Export citations](#)

[Show all article previews](#)

Receive an update when the latest issues in this journal are published

[Sign in to set up alerts](#)

☐ Research article ☐ Abstract only

Studies on the silver incorporated titania aerogel nanostructure as a photoanode in quasi solid dye-sensitized solar cells

V. Rajakani, X. Sahaya Shajan, A. Arulgnanam, P. Sumithraj Premkumar

Pages 2479-2479

[Article preview](#)

☐ Research article ☐ Abstract only

Concentration effect on the luminescent and structural properties of YPO₄: Eu³⁺

Kh. Chanchan, S. Dorendrajit Singh

materialstoday:
PROCEEDINGS

Volume 65, Part 5, 2022, Pages 2698-2704

The effect of neon ion irradiation on tungsten for next generation fusion reactor

M. Bhuyan ^a   H. Al Rashid ^b

^a Department of Physics, Rangia College, Rangia-781354, Kamrup, Assam, India

^b Department of Physics, B.B. K. College, Nagoan, Barpeta, Assam, India

Available online 31 May 2022, Version of Record 22 August 2022.

[Link for the chapter](#)

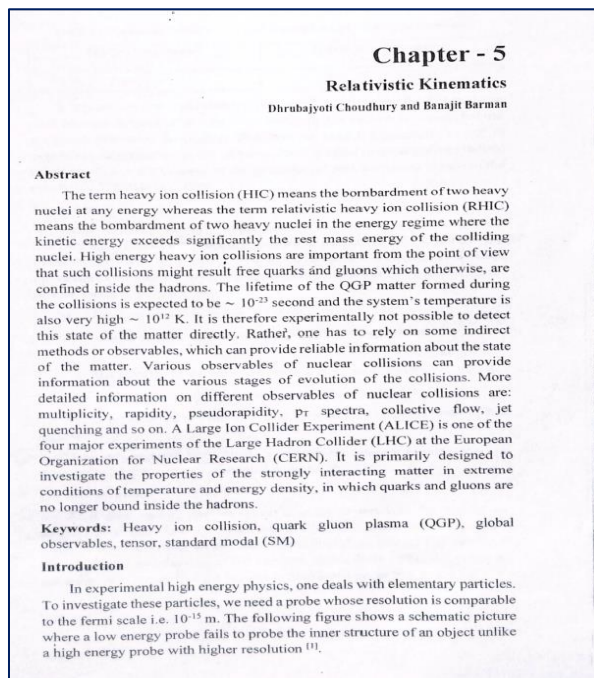
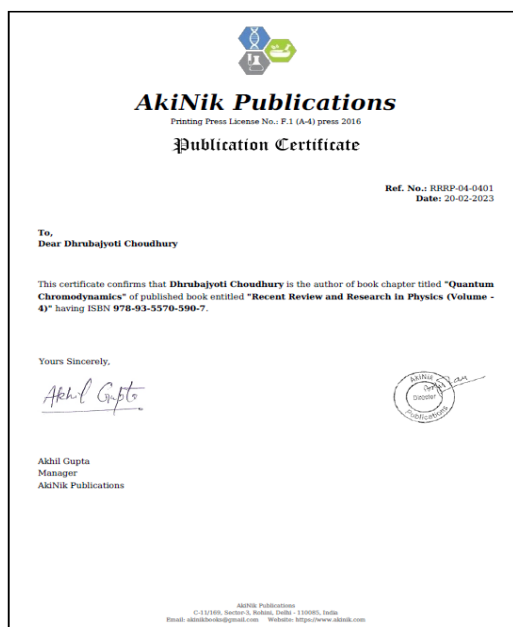
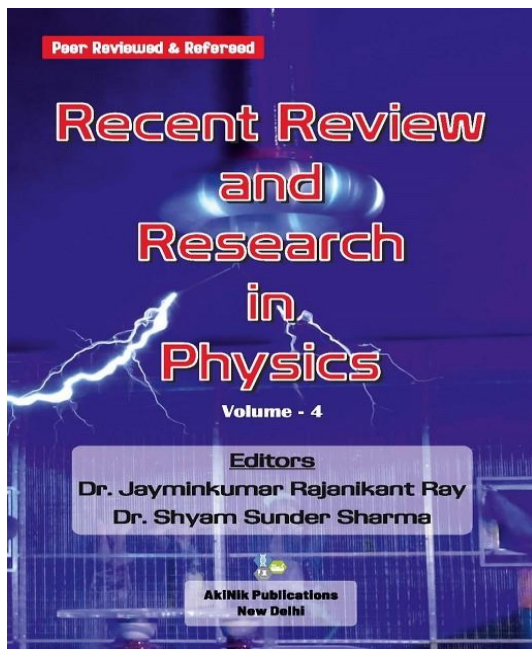


BAOSI BANIKANTA KAKATI COLLEGE

Nagaon, Barpeta
Assam – 781311 (INDIA)

Dr. Pradip Das
Principal

86) Dhrubajyoti Choudhury (2022-23)



[Link for the book chapter](#)

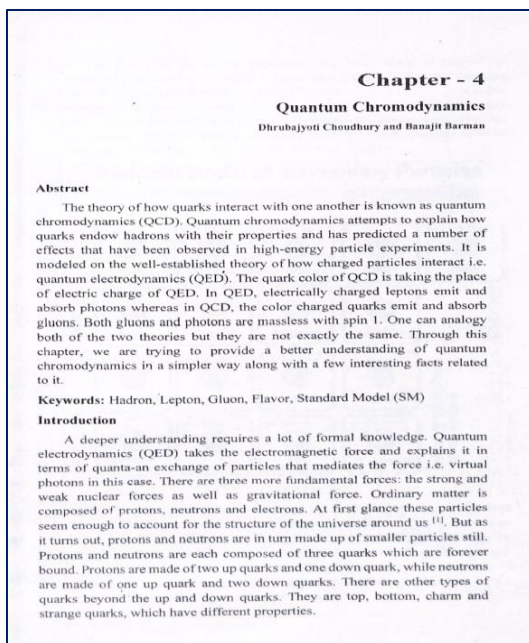
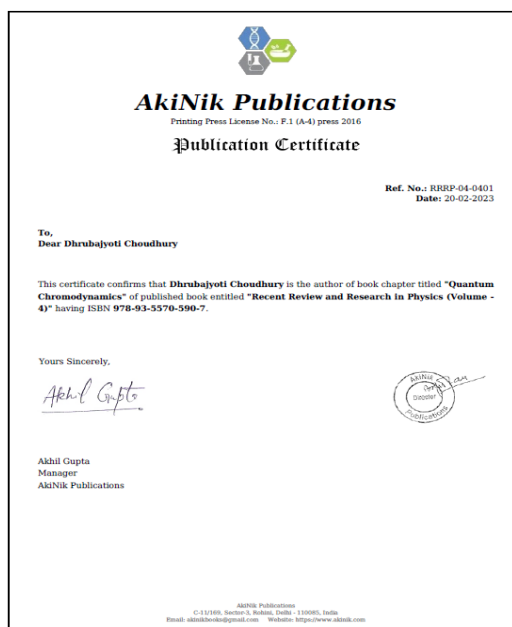
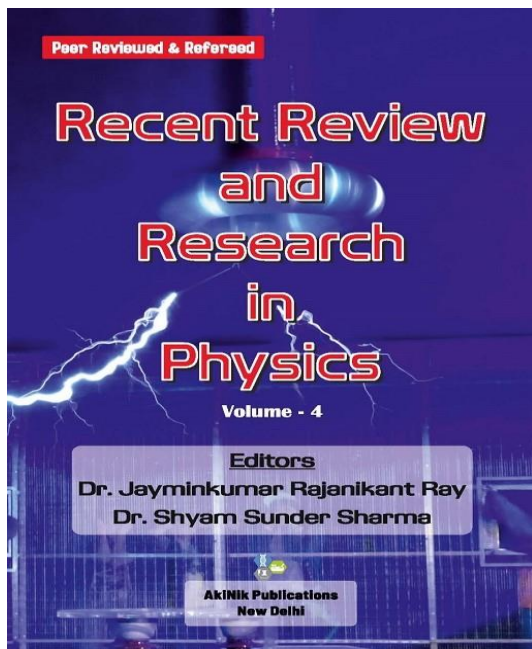


BAOSI BANIKANTA KAKATI COLLEGE

Nagaon, Barpeta
Assam – 781311 (INDIA)

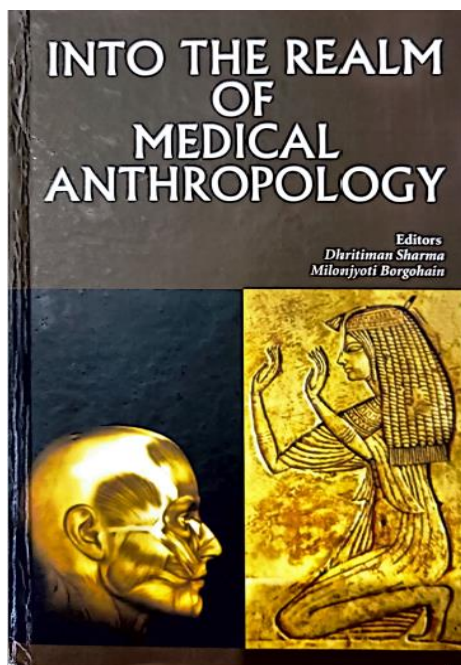
Dr. Pradip Das
Principal

87) Dhrubajyoti Choudhury (2022-23)



[Link for the book chapter](#)

88) Haripriya Das (2020-21)



**REPRODUCTIVE HEALTH AND DISEASE
OF THE KARBI WOMEN OF ASSAM**

HARIPRIYA DAS

INTRODUCTION

The WHO International conference on population and development, held in Cairo in 1994, arrived at a consensus view of health that was endorsed by 165 countries,

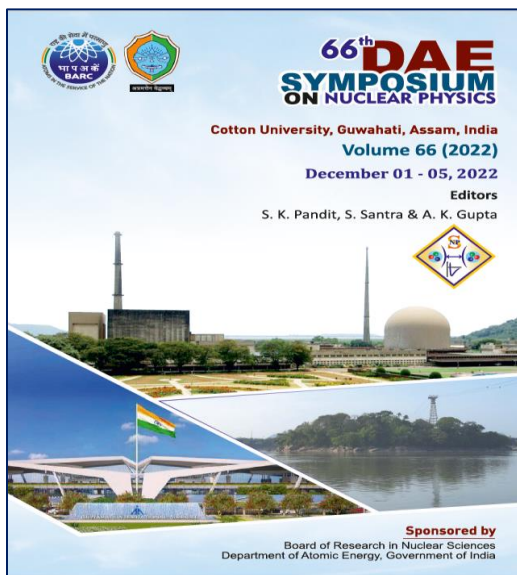
Reproductive health is ... "a state of complete, mental and social well being and not merely the absence of disease or infirmity, in all matters relating to the reproductive system and its function and process".

Reproductive health extends into the years before and beyond the years of reproduction, not just the time of reproduction. Reproductive health plays important role in morbidity, mortality and life expectancy. Reproductive health problems are the leading cause of women's health and mortality worldwide.

Plants have long been recognised for their therapeutical properties. For centuries, indigenous culture around the world has used traditional medicines. The number of patients seeking alternate and therapy is growing exponentially. Herbal medicines are the synthesis of therapeutical experiences of generations of practicing physicians of indigenous system of medicine for over hundreds of years. Herbal medicines are now in great demand in the developing

The book is print only. Web link for the book is not available

89) Harun Al Rashid (2022-23)



Proceedings of the DAE Symp. on Nucl. Phys. 66 (2022)

Theoretical quasi-elastic excitation function and barrier distribution with various diffuseness parameters for $^{16}\text{O}+^{116}\text{Sn}, ^{176}\text{Yb}$

Amar Das^{1,2,*}, Nabendu K. Deb¹, Harun Al Rashid^{1,3}, K. Kalita¹, Lakhyajit Sarma⁴
¹Nuclear Detector R&D Lab, Department of Physics, Gauhati University, Gauhati - 781014, India
²Department of Physics, Suren Das College, Hajo-781102, India
³Department of Physics, Baosi Banikanta Kakati College, Nagaon, Barpeta, 781311, India
⁴Email: amarbdas@gmail.com

Introduction

To describe a nuclear collision, the nature of potential between colliding nuclei is important. The potential barrier between the colliding nuclei is created due to repulsive Coulomb force and the short range attractive nuclear interactions. According to Eigen Channel approximation, the potential barrier splits into a distribution of barrier due to the coupling of relative motion of intrinsic degrees of freedom. This nature of potential can be studied by studying the fusion or quasi-elastic scattering (QES) excitation function. The sum of elastic, inelastic and transfer reaction is equal to QES. Fusion is related to transmission probability and QES is related to reflection probability. Fusion barrier distribution (D_B) can be extracted from the fusion excitation function $\sigma(E_{\text{c.m.}})$ by taking the second derivative of $E_{\text{c.m.}}$, i.e. $d^2(E_{\text{c.m.}}\sigma(E_{\text{c.m.}}))/dE^2$. This method was first proposed by Rowley et al. [1]. But QES barrier distribution (D_Q) is extracted from the first derivative of the QES excitation function (dD_Q/dE) which is given by $d(dE_{\text{c.m.}}/dE)/dE$. Timmers et al. first proposed this method [2]. σ_i and σ_e are QES cross section and Rutherford scattering cross section. In QES measurement even lesser precise data can be utilized as compared to that of the fusion measurement as in the expression of barrier distribution, fusion has double derivative and QES has single derivative with respect to energy [3]. QES barrier distribution is an important parameter to study the super heavy elements as it carries significant information regarding it [4]. To such QES excitation function, theoretically, the couple channel calculations can be performed using various combinations of target and projectiles by scattering version of CCFULL [5]. The barrier

distribution can be calculated using the method describe above. In the scattering version CCFULL program, nuclear potential has real and imaginary component which is assumed to have Wood-Saxon (WS) form. The parameter associated with the potential can be used to study the various effects. In this paper, an attempt is being made to study the effect of diffuseness parameter and the WS potential parameter in excitation function of $^{16}\text{O}+^{116}\text{Sn}, ^{176}\text{Yb}$ below the Coulomb barrier from energy range of 40-70 MeV and 60-90 MeV respectively at a scattering angle of 150° .

Table 1: Wood-Saxon parameter for $^{16}\text{O}+^{116}\text{Sn}$

V_0 (MeV)	r_0 (fm)	a_0 (fm)	W_0 (MeV)	r_1 (fm)	a_1 (fm)
105	1.1	0.75	30	1.0	0.6
95	1.0	0.65	25	1.2	0.55
80	1.2	0.45	20	1.2	0.4

Results and Discussions

The interaction potential (V) for projectile and target is the sum of the long-range coulomb potential (V_C), centrifugal potential (V_{cen}) and the short-range nuclear potential (V_N).

$$V = V_C + V_N + V_{\text{cen}}$$

where, $V_C = \frac{Z_1 Z_2 e^2}{4\pi\epsilon_0 r}$ if $r \leq r_c$

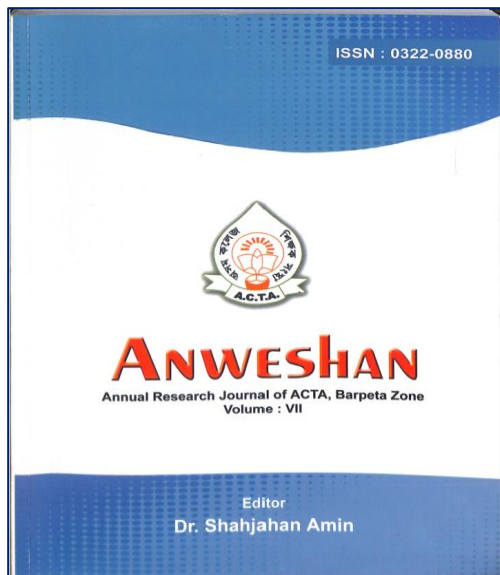
$$V_N = -\frac{V_0}{1 + \exp\left(\frac{r - r_0}{a_0}\right)} - I \left(\frac{W_0}{1 + \exp\left(\frac{r - r_1}{a_1}\right)} \right)$$

$V_{\text{cen}} = l(l+1)\hbar^2/2\mu r$
Here V_0, W_0, r_0, r_1 and a_0, a_1 are the Wood-Saxon potential parameters where a_0 and a_1 are the

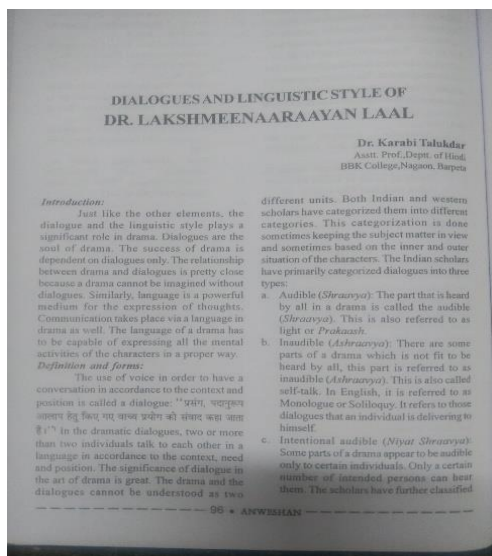
B100	Investigation of alpha particle emission from the $^{14}\text{C}+^{16}\text{O}$ reaction at an incident energy of 250 MeV. D. Patel, C. Bhattacharya, J. Acharya, S. Mohapatra, J. J. Lawrence	543
B101	Production of ^{14}C from ^{16}O induced reaction, Laxminarayana Singh, Parag K. Giri, Anand Singh, Nishu Sharma, Nishu B. Landa, Jagdeep Singh, Rajesh K. Sahoo, Rahul Mohan, Harish Kumar, Sanku A. Rai, Siddharth Parashari, Rakesh Daboy, M. Afzal Ansari, Anil K. R. Kumar, S. Mohapatra, R. P. Singh	545
B102	Investigation of decay properties of ^{24}Mg induced via $^{16}\text{O}+^{24}\text{Mg}$ reaction at above barrier energies, Shubhdeep Kaur, Raj Kumar, Manoj K. Sharma	547
B103	Fusion cross-section using density-dependent relativistic NUT effective nucleon-nucleon interaction, Shipon Barua, Raj Kumar, S. K. Patra, B. P. Carlson, M. Bhargava	549
B104	Barrier distributions analysis for the fusion of ^{24}Mg with ^{16}O , N. K. Singh, Rishi Pal Choudhary, Manoj Singh Gantam	551
B105	Analysis of intrinsic fusion barriers for optimal energy and anisotropic angular momentum in heavy-ion collisions, Dimple Singh Verma	553
B106	Effect of the target structure on the quasi-elastic barrier distribution, Abhishek Bhatia, Goutam Ram, M. Mohan Singh, A. Bhargava, M. Kumar, N. Sankar, Anshu Bhatia, K. S. Gokul, Tanujit Bhattacharya, G. Kaur, R. Daboy, C. Datta, R. N. Sahoo, A. Sood, H. Anwar, N. K. R. Patra, P. P. Singh, M. K. Sharma, B. P. Singh, P. Prasad, P. Sengupta	555
B107	Understanding the reaction dynamics of $^{16}\text{O}+^{116}\text{Sn}$ interactions using the quasi-elastic barrier distribution, Goutam Ram, Abhishek Bhatia, M. Mohan Singh, A. Bhargava, M. Kumar, N. Sankar, J. Bhatia, K. S. Gokul, Tanujit Bhattacharya, R. Daboy, G. Kaur, C. Datta, R. N. Sahoo, A. Sood, H. Anwar, N. K. R. Patra, P. P. Singh, M. K. Sharma, B. P. Singh, P. Prasad, P. Sengupta	557
B108	Theoretical quasi-elastic excitation function and barrier distribution with various diffuseness parameters for $^{16}\text{O}+^{116}\text{Sn}, ^{176}\text{Yb}$, Anwar Das, Nishu B. Landa, Nishu Sharma, K. Deb, Harun Al Rashid, Kishor Khatun, Lakhyajit Sarma	559
B109	Fusion barriers of Xe-induced reactions to synthesize superheavy elements, S. Maiti, R. C. Marjono, N. Sankar	561
B110	Coupled reaction channel analysis of 1a-pickup angular distribution in $^{24}\text{Mg}+^{16}\text{O}$, Chandan Kumar, S. Nath	563
B111	Revealing 1p- and 2p-stripping angular distributions in $^{28}\text{Si}+^{16}\text{O}$, Goutam Ram, Chandan Kumar, Tanujit S. Nath	565
B112	Multi-channel transfer cross sections in $^{16}\text{O}+^{116}\text{Sn}$, Chandan Kumar, Goutam, Sanku Khatun, S. Nath, S. Mohan, N. Sankar, E. Prasad, Rishi Sankar, J. Gohit, Rishi Singh, Goutam Mohan, Anshu Bhatia, Sanku, S. Nath, R. N. Sahoo, Suresh Kumar, Ushashi Datta, A. K. Saha, R. Singh	567
B113	Transfer measurements for $^{16}\text{O}+^{116}\text{Sn}$ systems near the Coulomb barrier, Anil Khatun, S. Nath, N. Sankar, J. Gohit, Goutam, K. Choudhary, Shashu Nair, A. Parthiv, Rakesh Bhatia, D. Mohapatra, P. Khatun, Chandan Kumar, P. Sengupta, P. S. Sankar, S. Kumar	569
B114	Influence of phase coupling and transfer channels in $^{16}\text{O}+^{116}\text{Sn}$ fusion reaction at energies around Coulomb barrier, Suman Rani, Parag Singh	571
B115	Analysis of p-d elastic scattering cross section below the breakup threshold energy through PPM, B. Sanku, A. K. Bhatia, U. Laha	573
B116	Phase Shift Analysis of $\alpha-^{24}\text{Mg}$ Elastic Scattering Using Phase Function Method, Lati Kumar, Anil Khatun, Anshu Sharma, O. S. K. S. Sankar	575
B117	S-wave phase shifts for elastic nucleon-nucleon scattering using Modified-Yukawa potential, Shishu Anand, O. S. K. S. Sankar	577
B118	P & D Inverse Potentials for Proton-Proton Scattering, Lati Kumar, Anil Khatun, Anshu Sharma, O. S. K. S. Sankar	579

[Link for the chapter](#)

91) Dr. Karabi Talukdar (2022-23)

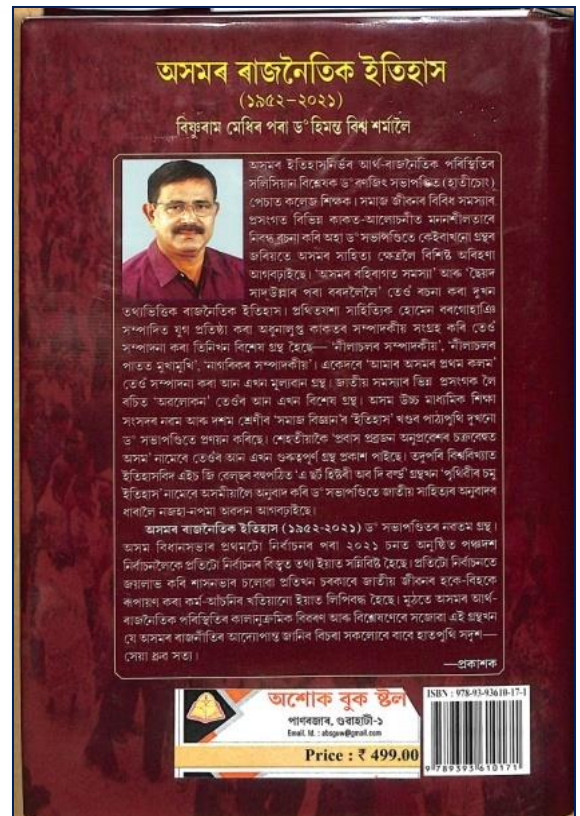
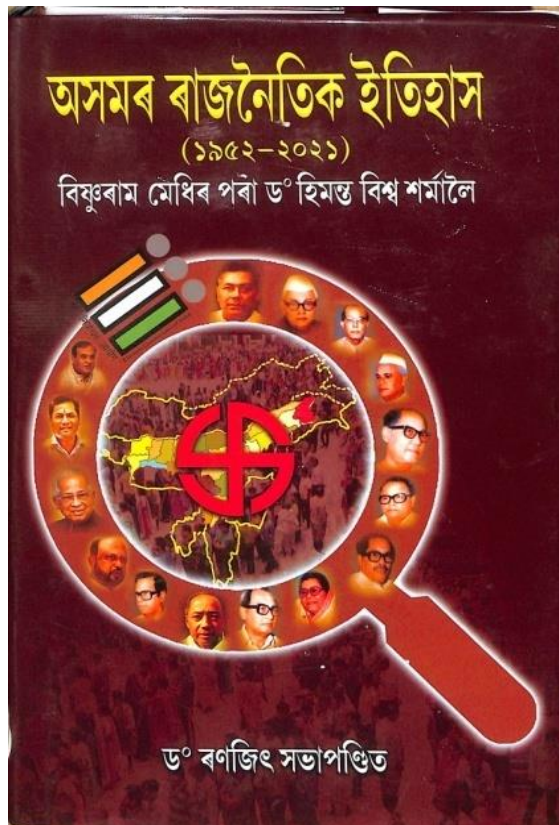


CONTENTS	
• NEP 2020: Rebuilding Indian Education – Dr. Dulmoni Goswami	9
• Exploring Masculinity in Devdutt Pattanaik's Jaya : An illustrated retelling of the Mahabharata – Manas Neog	13
• Feminine Sensibility in Kamala Das's Poetry: A Study of 'An Introduction' and 'The Old Playhouse' – Arumina Bhattacharya	20
• Friend to Foe: A Study of the relationship between Thomas Becket and Henry II in T.S. Eliot's 'Murder in the Cathedral' – Dr. Kishor Kumar Deka	26
• An Overview of Girish Karnad: The Playwright and his Major Plays – Dr. Pranjoyi Deka	31
• The October Revolution and English literature – Dr. Sultan Ali Ahmed	36
• Visible Work, Invisible Workers: A Study on Women's Domestic Work and its Impact on the Economy – Mr. Ajanta Choudhury	41
• Economic Independence in relation to Women to Women Empowerment and Gender Equality – Dr. Kakali Hazarika	47
• Value-based Education – Dr. Dipi Kalita	51
• Role of ICT in Education – Lieutenant Dr. Shahjahan Ali	54



The book is print only. Web link for the book is not available

92) Dr. Ranjit Sabhapandit: Asamar Rajnoitik Itihas (ISBN- 978-93-93610-17-1)



The book is print only. Web link for the book is not available