



OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE
Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.Kakojancollege.edu.in

E-mail: kakuinfo@jorhat.iitkgp.res.in

Supporting Documents for NAAC Self Study Report (SSR)

(3rd Cycle)

Period: 2017 – 2022

Criterion – 3	Key Indicator – 3.3
Research, Innovations and Extension	Research Publications and Award
Metric Number: 3.3.2.1.	Number of Books and Chapters in edited volumes/books published and papers published in national/international conference proceedings per teacher during last five years

Prepared and submitted by

IQAC, Kakojan College, Jorhat, Assam

R. Bordoloi
Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



N. Gogoi
Dr. Nibedita Gogoi

Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107

website: www.kakojancollege.edu.in

E-mail: kakojancollegeadm@gmail.com

Metric No.	Heading
3.3.2.1.	Total Number of Books and Chapters in edited volumes/books published and papers published in national/international conference proceedings per teacher during last five years

BOOK CHAPTERS PUBLISHED (2017 – 2018) (JAYANTA DUARAH)

ILLUMINATION

A Multidisciplinary Book on
Science and Humanities



Editors:
Mridula Neog
Lakhya Pratim Nirmolia



The Research Wing:
A Research Forum of Chemistry and History Department
Kakojan College, Jorhat, Assam (India)

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadmin@gmail.com

ILLUMINATION 2



ILLUMINATION

ILLUMINATION : (Science and Humanities) Published on behalf of 'The Research Wings' -A Research Forum, of Chemistry and History Department by **SABDA PRAKASH**, Thana Road, Jorhat-1

Editors : Mridula Neog
Lakhya Pratim Nirmolia

Members : Jayashree Saikia
Sarmistha Goswami
Dr. Partha Pratim Baruah
Utpal Sadhonider
Dr. Siddhartha Kr. Bhorodwaj

Advisory Board :

Dr. Ruprekha Bordoloi
Principal,Kakojan College, Jorhat

Dr. Raju Baruah
Vice-Principal,Kakojan College, Jorhat

Academy Vice

Dr. Archana Bhattacharjee,
H.O.D. and Associate Professor,
Department of English,
Kakojan College, Jorhat

Published by :

SABDA PRAKASH,
Thana Road, Jorhat-1, on behalf of The Research
Wing, Kakojan College Research Forum

Address :

The Research Wing, Kakojan College
Kakojan, Jorhat- 785107, Assam, India
Contact NO : +919854055331(M), +919435993315(M)

First Edition- 2018, 10th January
Price - Rs.100/-only.

ISBN- 978-81-924386-2-3

Printed at :

SABDA PRAKASH, Thana Road, Jorhat-1,
mobile : 9854354802

Cover Design & Layout : Ranjit Gogoi

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi

Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107
website: www.kakojancollege.edu.in E-mail:kakojancollegeadm@gmail.com

ILLUMINATION 5

CONTENTS

1. International Space Station (ISS) and its activity in Microgravity Environment *Dhrubajyoti Sarmah* -7
2. Arsenic in the Environment and its effects on Human body *Utpal Sadhonider*-12
3. Symmetry in Nature *Subhasis Kotoky*-24
4. Mineral Nutrition in plants *Mr. Jayanta Duarah*-32
5. Stephen Hawking and his Contributions *Sanjib Borah*-36
6. Dye *Mridula Neog*-41
7. A Computer Algebraic Approach in Applications of Groups of Symmetries to Chemistry and Physics *Jita Dutta*-46
8. Destruction of Bamboo and Its Impacts on Biodiversity a case study of Ttabar sub-division, Jorhat, Assam. *Daisee Borpatra Gohain*-56
9. Dalit Consciousness and Dalit Identity in Dalit Literature: An Overview *Archana Bhattacharjee*-67
10. Higher Education and Best Practices: Scenario of North East India from Within *Dr.Pankaj Goswami*-71
11. Women Empowerment through MGNREGS: Issues and Challenges *Mrs. Akashi Baruah*-77
12. Forest Fire and P.roxburghii *Kabita Das*- 86
13. Inclusive Education *Dipanjali Kalita*-96
14. Maternity Benefit (Amendment) Act,

R.Bordoloi
Dr. Ruprekha Bordoloi
Principal
Kakojan College
Jorhat, Assam



Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O & T.O KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

ILLUMINATION 32

Mineral Nutrition in plants

Mr. Jayanta Duarah
Assistant Professor
Department of Botany

All organisms require a number of elements for growth and develop. All of them receive these elements from environment. Uptake and utilisation of these elements by the living organism for their normal growth and development is called nutrition. Plants take these elements in the form of simple or complex inorganic compounds. All these compounds are found in the atmosphere, water and soil. Plants Convert these inorganic elements in to organic substance within their cells. The organic compounds that are found within plant body are actually complexes of inorganic elements. For example, Carbohydrate formed in the plant body is a combination of carbon, hydrogen and oxygen. Similarly, Protein is a combination of carbon, Hydrogen, oxygen and nitrogen.

There are three sources of nutrition in plants. Carbon, hydrogen and oxygen are found in the atmosphere which is the first source of nutrition. Although there is abundant nitrogen in the

R.B.
Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



N.G.
Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT; Assam-785 107.

website: www.kakojancollege.edu.in

E-mail: kakopincollegeadmin@gmail.com

BOOK CHAPTERS PUBLISHED (2017 – 2018) (UTPAL SADHONIDER)

Jagruti

Sarmistha Goswami
Jayashree Saikia

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

Jagriti / 2



Jagriti

A collection of articles edited by Sarmistha Goswami, Co-ordinator,
Centre for Women's Studies and Jayashree Saikia, Assistant
Professor (Dept. of History), Kakojan College, Jorhat, Assam
and published by Ranjit gogoi on behalf of SABDA PRAKASH.

Thana Road, Jorhat-1. Assam
ranjit_jrt@rediffmail.com
ranjitgogoi14@gmail.com

First Edition- June, 2017
Price - Rs.300/-only.

© Sarmistha Goswami
Jayashree Saikia

printed at :

SABDA PRAKASH,
Thana Road, Jorhat-1.
mobile : 9854354802

cover design : Bobita Borkotoky
Layout : ranjit gogoi

ISBN-978-81-924366-0-9

R. Bordoloi

Dr. Ruprekh Bordoloi

Principal
Kakojan College
Jorhat, Assam



Nibedita Gogoi

Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

Jagriti / 7

Contents

- ◆ **Human Rights of Indian Women: Myths and Reality**
Dr. Archana Bhattacharjee / 9
- ◆ **Women in Medieval Assamese Society: an analysis**
Jayashree Saikia / 17
- ◆ **THE DEVELOPMENT OF THE IDEA OF FEMINISM AND THE FEMINIST MOVEMENT IN THE WORLD**
Sarmistha Goswami / 22
- ◆ **Some Female Mathematicians and their Contribution**
Mrs. Jita Dutta / 32
- ◆ **The Great Indian Lady Mathematicians – Shakuntala Devi**
Subhasis Kotoky / 42
- ◆ **Kalpana Chawla : First Indian Woman in Space**
Mr. Dhrubajyoti Sarmah / 47
- ◆ **Domestic Violence against Women in India: An Analysis**
Lakhya Pratim Niemolia / 52
- ◆ **The Mother of Nuclear Fission – Lise Meitner**
Utpal Sadhonidhar / 62
- ◆ **A sociological study on Status of Spinsters in Mishing society**
Minakshi Milli / 66

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
'Co-ordinator'
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE
Re-accredited **B+ Grade by NAAC**

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

Jagriti / 62

The Mother of Nuclear Fission – Lise Meitner

*Utpal Sadhonidar
Assistant Professor
Department of Chemistry*

Most of us may not have heard of Her, not surprising! Even the Nobel Committee ignored her and awarded the prize to another scientist who collaborated with her. But then the Nobel prize pales into insignificance has a permanent abode on the periodic table with a chemical element(109) named after her. The element Meitnerium is named after Lise Meitner, who can be called the mother of nuclear fission. While Meitner collaborated with Otto Hahn and Fissch in the discovery of Nuclear fission of uranium, it was Meitner who gave the first theoretical explanation of the fission process.

Dr. Ruprekha Bordoloi
Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE
Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

BOOK CHAPTERS PUBLISHED (2017 – 2018)
(MRIDULA NEOG)

ILLUMINATION

A Multidisciplinary Book on
Science and Humanities



Editors:
Mridula Neog
Lakhya Pratim Nirmolia



The Research Wing:
A Research Forum of Chemistry and History Department
Kakojan College, Jorhat, Assam (India)

R. Bordoloi
Dr. Ruprekha Bordoloi
Principal
Kakojan College
Jorhat, Assam



N. Gogoi
Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, ASSAM-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com



ILLUMINATION 2

ILLUMINATION

ILLUMINATION : (Science and Humanities) Published on behalf of 'The Research Wings' -A Research Forum, of Chemistry and History Department by SABDA PRAKASH, Thana Road, Jorhat-1

Editors : Mridula Neog

Lakhya Pratim Nirmolia

Members :

Jayashree Saikia

Sarmistha Goswami

Dr. Partha Pratim Baruah

Utpal Sadhonider

Dr. Siddhartha Kr. Bhorodwaj

Advisory Board :

Dr. Ruprekha Bordoloi

Principal, Kakojan College, Jorhat

Dr. Raju Baruah

Vice-Principal, Kakojan College, Jorhat

Academy Vice

Dr. Archana Bhattacharjee,

H.O.D. and Associate Professor,

Department of English,

Kakojan College, Jorhat

Published by :

SABDA PRAKASH,

Thana Road, Jorhat-1, on behalf of The Research Wing, Kakojan College Research Forum

Address :

The Research Wing, Kakojan College

Kakojan, Jorhat- 785107, Assam, India

Contact No : +919654055331(M), +919435993315(M)

First Edition- 2018, 10th January
Price - Rs.100/-only.

ISBN- 978-81-924366-2-3

Printed at :

SABDA PRAKASH, Thana Road, Jorhat-1,

mobile : 9854354802

Cover Design & Layout : Ranjit Gogoi

R. Bordoloi

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Nibedita Gogoi

Co-ordinator
- IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadmin@gmail.com

ILLUMINATION 5

CONTENTS

1. International Space Station (ISS) and its activity in Microgravity Environment *Dhrubajyoti Sarmah* -7
2. Arsenic in the Environment and its effects on Human body *Utpal Sadhonider*-12
3. Symmetry in Nature *Subhasis Kotoky*-24
4. Mineral Nutrition in plants *Mr. Jayanta Duarah*-32
5. ~~Stephen Hawking and his Contributions~~ *Sanjib Borah*-36
6. Dye *Mridula Neog*-41
7. A Computer Algebraic Approach in Applications of Groups of Symmetries to Chemistry and Physics *Jita Dutta*-46
8. Destruction of Bamboo and Its Impacts on Biodiversity a case study of Ttabar sub-division, Jorhat, Assam. *Daisee Borpatra Gohain*.-56
9. Dalit Consciousness and Dalit Identity in Dalit Literature: An Overview *Archana Bhattacharjee*-67
10. Higher Education and Best Practices: Scenario of North East India from Within *Dr. Pankaj Goswami*-71
11. Women Empowerment through MGNREGS: Issues and Challenges *Mrs. Akashi Baruah*-77
12. Forest Fire and Roxburghii *Kabita Das*- 86
13. Inclusive Education *Dipanjali Kalita*-96
14. Maternity Benefit (Amendment) Act,

R. Bordoloi

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



N. Gogoi

Dr. Nibedita Gogoi

'Co-ordinator
— IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadms@gmail.com



Dye

Mridula Neog
Assistant Professor
Department of Chemistry

What is a dye? It is a coloured substance which when applied to the fiber produces a permanent colour: resistant to the action of light, water and soap.

Both dyes and pigments are coloured, because they absorb wavelengths of visible light. Dyes are usually soluble in water whereas pigments are insoluble. There are two important conditions for a coloured compound to act as a dye.

(1) Presence of Chomophore: These are the groups which are responsible for producing a colour to a dye because they are capable of absorbing light in the near ultraviolet region such as $- \text{NO}_2$, $- \text{C}=\text{O}$, $- \text{C}=\text{S}$, $- \text{C}^{\circ}\text{N}$ etc.

(2) Presence of auxochromes: Dye should be fast to light, water and soap. So it must be attached to the fibers by means of stable

Dr. Ruprekh Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
'Co-ordinator'
→ IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107
website: www.kakojancollege.edu.in E-mail:kakojancollegeadm@gmail.com

**RESEARCH PAPER PUBLISHED (2017 – 2018)
(BABITA PHUKAN BORKOTOKY)**

The cover features a large photograph of a smiling woman with dark hair, wearing a black top, against a red background. At the top left is the college logo and the text 'Celebrating 50 Years of Journey'. The title 'Emerging Echoes' is prominently displayed in the center, with a small illustration of a person's head next to it. Below the title, it says 'Journal of Centre For Women's Studies Kakojan College, Jorhat, Assam Vol. - VI, 2017'. ISBN 2230-7443 is listed at the top right. A block of text on the right discusses postmodernist thought and its impact on popular culture and women's roles. At the bottom, it lists the editors: Dr. Ruprekha Bordoloi and Dr. Archana Bhattacharjee.

Postmodernist thought, among other things, has found its way into popular culture where so many of us are quick to acknowledge our own individual uniqueness. Sure, we are a wife, a mother, a sister, a daughter, a worker, and much more but we are still not quite like everyone else. This may work just fine in our personal lives, however the widespread acknowledgment of uniqueness has complicated 2nd wave feminist struggles for equality. When social change groups become divided, their capacity to challenge and change often falters. Certainly, popular liberal strategies for social liberation have been curtailed by the rightful suggestion that all women are not the same, need or want the same things, or define social equality in the same way.

Editors:
Dr. Ruprekha Bordoloi
Dr. Archana Bhattacharjee

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi

Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

CONTENTS

- Role of ITC and Distance Education in Women's Life : A Situational Analysis of Present Day Scenario - *Swastika Dutta*
- An Analysis of Government Initiatives for Women Empowerment in India - *Miss Runumi Das*
- Gandhi's Views on Women Uplift - *Rimky Kakoty*
- Pandita Ramabai's Contribution to Women's Emancipation - *Jutimala Hazarika*
- Representation of Women in Media With special reference to Indian women - *Ashima Ahmed Saikia*
- Changing Trends of Portrayal of Woman in *Bollywood* - *Amrita Devi*
- Application of Manures and Chemical Fertilizers in Assam : A Study in Historical Perspective - *Amrita Bora*
- Emergence of Women Organisations in Colonial India : A Historical Analysis - *Dipankar Mohan*
- A Study of the Literacy Rate of Women in Katonibari Tea Estate of Jorhat District, Assam - *Manash Protim Neog*
- Utilization of Medicinal Plants by Various Tribes of India in Gynecological Disorders : An Overview - *Babita Phukan Borkotoky*
- Participation of Women in Education in India, Its Changing Nature and the Present Scenario - *Borsha Rani Bora*
- Alienation under Patriarchal Dominance : A Study of the Novel *Fire on the Mountain* - *Dibyajyoti Boruah*
- Role Conflict and Married Female College Teachers : A Sociological Study - *Minakshi Mili*

Emerging Echoes : JOURNAL

6

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

UTILIZATION OF MEDICINAL PLANTS BY VARIOUS TRIBES OF INDIA IN GYNECOLOGICAL DISORDERS : AN OVERVIEW

Babita Phukan Borkotoky

Dept. of Botany
Kakojan College

Abstract :

The present study reports about the utilization of medicinal plants for gynecological disorders by various tribes of India. The study revealed that more than 200 plant species were used for these purposes. Aerial parts of plant species were more used than that of underground parts. The study also revealed that different parts of the same plant were used to cure different problem. One plant was used by different communities in different ways.

Introduction :

Since the time immemorial, human being have been utilizing plant genetic resources for edible, medicinal and other material purposes. Plant extract from different plants and plant parts are used by the people all over the world to cure many diseases and thus get relieve themselves from physical suffering.

Ethnomedicine have been an integral part of the traditional health care system in most part of the world (Das & Satapathy, 2016). W.H.O. (2002) stated that as many as 80% of World's populace depend on traditional medicine for particular health care need. Indigenous communities living in biodiversity rich areas , possess a wealth of knowledge about utilization and conservation of food and medicinal plants. Ethnomedicobotany, a sub-

discipline of ethnobotany deals with medicinal properties of plants, invariably starting with folk medicine to the analytical investigations for search of new bio molecules.

India is an outstanding country and possesses two mega diversity " Hot Spot" (Mayer,1988,1990) and a great wealth of genetic resources and complex cultural diversity. Among the rich vegetational countries of the world, India ranked 10th and 4th among the Asian countries (Abraham, 1981). According to Ravisankar , there are 300 million tribal people all over the world and half of them living in China and India. India alone possesses nearly 22% of world's total tribal population which accounts for 67.7 million belonging to 573 tribal groups in different geographical locations with various subsistence patterns. By virtue of their own distinct culture, belief, religious rites, traditional habit of food and medicine, these tribal communities have accumulated enormous amount of knowledge on the plant species available to them and nearer habitats.

In the tribal communities women play a key role in the management of the family and hence remaining healthy is very important to them. As the tribal people live in rich vegetational regions, they mostly depend on nature and accumulated great knowledge on

Emerging Echoes' : JOURNAL

59

Dr. Ruprekh Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi

'Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107

website: www.kakojancollege.edu.in

E-mail:kakojancollegeadmin@gmail.com

BOOK CHAPTERS PUBLISHED (2017 – 2018)
(DHRUBAJYOTI SARMAH)

ILLUMINATION

A Multidisciplinary Book on
Science and Humanities



Editors:
Mridula Neog
Lakhya Pratim Nirmolia



The Research Wing:
A Research Forum of Chemistry and History Department
Kakojan College, Jorhat, Assam (India)

R. Bordoloi

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



N. Gogoi

Dr. Nibedita Gogoi

Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadmin@gmail.com



ILLUMINATION 2

ILLUMINATION

ILLUMINATION : (Science and Humanities) Published on behalf of
The Research Wings' -A Research Forum, of Chemistry and History
Department by SABDA PRAKASH, Thana Road, Jorhat-1

Editors : Mridula Neog
Lakshya Pratim Nirmolia
Members : Jayashree Saikia
Sarmistha Goswami
Dr. Partha Pratim Baruah
Utpal Sadhuonider
Dr. Siddhartha Kr. Bhorodwaj
Advisory Board :
Dr. Ruprekha Bordoloi
Principal, Kakojan College, Jorhat
Dr. Raju Baruah
Vice-Principal, Kakojan College, Jorhat
Academy Vice
Dr. Archana Bhattacharjee,
H.O.D. and Associate Professor,
Department of English,
Kakojan College, Jorhat

Published by :
SABDA PRAKASH,
Thana Road, Jorhat-1, on behalf of The Research
Wing, Kakojan College Research Forum
Address :
The Research Wing, Kakojan College
Kakojan, Jorhat- 785107, Assam, India
Contact NO : +919654055331(M), +919435993315(M)

First Edition- 2018, 10th January

Price - Rs.100/- only

ISBN- 978-81-924366-2-3

Printed at:

SABDA PRAKASH, Thana Road, Jorhat-1.
mobile : 9854354802
Cover Design & Layout : Ranjit Gogoi

R. Bordoloi
Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



N. Gogoi
Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107

website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

ILLUMINATION 5

CONTENTS

- 1. International Space Station (ISS) and its activity in Microgravity Environment *Dhrubajyoti Sarmah -7***
- 2. Anemic in the Environment and its effects on Human body *Utpal Sadhonider-12***
- 3. Symmetry in Nature *Subhasis Kotoky-24***
- 4. Mineral Nutrition in plants *Mr. Jayanta Duarah-32***
- 5. Stephen Hawking and his Contributions *Sanjib Borah-36***
- 6. Dye *Mridula Neog-41***
- 7. A Computer Algebraic Approach in Applications of Groups of Symmetries to Chemistry and Physics *Jita Dutta-46***
- 8. Destruction of Bamboo and Its Impacts on Biodiversity a case study of Ttabar sub-division, Jorhat, Assam. *Daisee Borpatra Gohain.-56***
- 9. Dalit Consciousness and Dalit Identity in Dalit Literature: An Overview *Archana Bhattacharjee-67***
- 10. Higher Education and Best Practices: Scenario of North East India from Within *Dr.Pankaj Goswami-71***
- 11. Women Empowerment through MGNREGS: Issues and Challenges *Mrs. Akashi Baruah-77***
- 12. Forest Fire and Roxburghii *Kabita Das- 86***
- 13. Inclusive Education *Dipanjali Kalita-96***
- 14. Maternity Benefit (Amendment) Act,**

R. Bordoloi

Dr. Ruprekh Bordoloi

Principal
Kakojan College
Jorhat, Assam



Nibedita Gogoi

Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadmin@gmail.com

ILLUMINATION 7

International Space Station (ISS) and its activity in Microgravity Environment

Dhrubajyoti Sarmah
Assistant Professor
Department of Physics

Introduction:

International space centre is a orbital space station i.e. a spacecraft capable of supporting crewmembers, which is designed to remain in space, for an extended period of time. Its first component launched into orbit in 1998, the last pressurised module was fitted in 2011, and the station is expected to be used until 2028. Development and assembly of the station continues, with components scheduled for launch in 2018 and 2019. It is the largest human made body in low earth orbit and can often be seen with the naked eye from the earth. International Space Centre consists of pressurised modules, external trusses, solar arrays and other components. These components have been launched by Russian Proton and Soyuz rockets and American space shuttles. Its mass is about 419455 kg, length is 72.8 m, width is 108.5 m and height is 20 m.

The ISS serves as a microgravity space environment research laboratory in which crew members conduct experiments in biology,

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi

Co-ordinator
- IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107

website: www.kakojancollege.edu.in

E-mail:kakojan.college.admin@gmail.com

BOOK CHAPTERS PUBLISHED (2017 – 2018) (JITA DUTTA)



Jagriti

Sarmistha Goswami
Jayashree Saikia

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi

Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107

website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

Jagriti / 2



Jagriti

A collection of articles edited by Sarmistha Goswami, Co-ordinator,
Centre for Women's Studies and Jayashree Saikia, Assistant
Professor (*Dept. of History*), Kakojan College, Jorhat, Assam
and published by Ranjit gogoi on behalf of SABDA PRAKASH,
Thana Road, Jorhat-1, Assam
ranjit_jrt@rediffmail.com
ranjitgogoi14@gmail.com

First Edition- June, 2017
Price - Rs.300/-only.

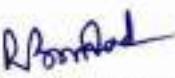
© Sarmistha Goswami
Jayashree Saikia

printed at :

SABDA PRAKASH,
Thana Road, Jorhat-1.
mobile : 9854354802

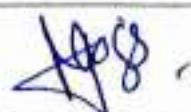
cover design : Bobita Borkotoky
Layout : ranjit gogoi

ISBN-978-81-924366-0-9


Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam




Dr. Nibedita Gogoi
Co-ordinator
- IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeacharya@gmail.com

Jagriti /32

Some Female Mathematicians and their Contribution

Mrs. Jitu Dutta
Assistant Professor
Department of Mathematics
Kakojan College

While the world is invariably dominated by men, men who have always been the ones to make rules in to society, one cannot neglect the contribution of women in building a more defined world. Beginning from the early centuries, women have struggled not only to prove themselves, but also to be accepted by the general society as someone who is equally smart and competent as men. Since, this article is about the contribution of women in mathematics, the following section gives some of the many renowned women, who have inspired and paved way for many female aspirants who strive to contribute in this field.

R. Bordoloi
Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



N. Gogoi

Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

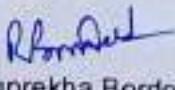
Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in E-mail:kakojancollegeadmin@gmail.com

BOOK CHAPTERS PUBLISHED (2017 – 2018) (SUBHASIS KOTOKY)

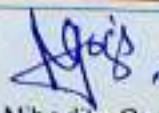
Jagriti

Sarmistha Goswami
Jayashree Saikia


Dr. Ruprekha Bordoloi


Principal
Kakojan College
Jorhat, Assam




Dr. Nibedita Gogoi
Co-ordinator
→ IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE
Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

Jagriti / 2



Jagriti

A collection of articles edited by Sarmistha Goswami, Co-ordinator,
Centre for Women's Studies and Jayashree Saikia, Assistant
Professor (*Dept. of History*), Kakojan College, Jorhat, Assam
and published by Ranjit gogoi on behalf of SABDA PRAKASH,
Thana Road, Jorhat-1 Assam
ranjit_jrt@rediffmail.com
ranjitgogoi14@gmail.com

First Edition- June, 2017
Price - Rs.300/-only.

© Sarmistha Goswami
Jayashree Saikia

printed at :

SABDA PRAKASH,
Thana Road, Jorhat-1.
mobile : 9854354802

cover design : Bobita Borkotoky
Layout : ranjit gogoi

ISBN-978-81-924366-0-9

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi

Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL

KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

Jagriti / 7

Contents

- ◆ **Human Rights of Indian Women: Myths and Reality**
Dr. Archana Bhattacharjee / 9
- ◆ **Women in Medieval Assamese Society: an analysis**
Jayashree Saikia / 17
- ◆ **THE DEVELOPMENT OF THE IDEA OF FEMINISM AND THE FEMINIST MOVEMENT IN THE WORLD**
Sarmistha Goswami / 22
- ◆ **Some Female Mathematicians and their Contribution**
Mrs. Jita Dutta / 32
- ◆ **The Great Indian Lady Mathematicians – Shakuntala Devi**
Subhasis Kotoky / 42
- ◆ **Kalpana Chawla : First Indian Woman in Space**
Mr. Dhrubajyoti Sarmah / 47
- ◆ **Domestic Violence against Women in India: An Analysis**
Lakhya Pratim Nirmolia / 52
- ◆ **The Mother of Nuclear Fission – Lise Meitner**
Utpal Sadhonidhar / 62
- ◆ **A sociological study on Status of Spinsters in Mishing society**
Minakshi Mili / 66

R.Bordoloi
Dr. Ruprekha Bordoloi
Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107
website: www.kakojancollege.edu.in E-mail:kakojancollegeadm@gmail.com

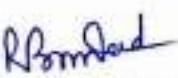
Jagriti / 42

The Great Indian Lady Mathematicians – Shakuntala Devi

Subhasis Kotoky
Assistant Professor
Dept. of Mathematics

Shakuntala Devi is a well known Indian mathematician. She is a renowned mathematician and a calculating genius of India. She is popularly known as 'Human Computer' because of her unusual talents in solving difficult mathematical problems without any mechanical support.

Shakuntala Devi was born on 4th of November, 1939 in Bengaluru. She was born in a name known Brahmin priest family. Her father name was Bishaw Mitra Mani and Mother name was Yogini. Her father performed magic tricks in school and colleges. Her father was a circus artiste who worked as a trapeze and tightrope performer. She


Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam




Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107

website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

BOOK CHAPTERS PUBLISHED (2017 – 2018)
(UTPAL SADHONIDER)

ILLUMINATION

A Multidisciplinary Book on
Science and Humanities



Editors:
Mridula Neog
Lakhya Pratim Nirmolia



The Research Wing:
A Research Forum of Chemistry and History Department
Kakojan College, Jorhat, Assam (India)

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107

website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com



ILLUMINATION 2

ILLUMINATION

ILLUMINATION : (Science and Humanities) Published on behalf of 'The Research Wings' -A Research Forum, of Chemistry and History Department by SABDA PRAKASH, Thana Road, Jorhat-1

Editors : Mridula Neog
Lakhya Pratim Nirmolia
Members : Jayashree Saikia
Samistha Goswami
Dr. Partha Pratim Baruah
Utpal Sadhonidee
Dr. Siddhartha Kr. Bhorodwaj
Advisory Board :
Dr. Ruprekha Bordoloi
Principal, Kakojan College, Jorhat
Dr. Raju Baruah
Vice-Principal, Kakojan College, Jorhat
Academy Vice
Dr. Archana Bhattacharjee,
H.O.D. and Associate Professor,
Department of English,
Kakojan College, Jorhat

Published by :

SABDA PRAKASH,
Thana Road, Jorhat-1, on behalf of The Research
Wing, Kakojan College Research Forum

Address :

The Research Wing, Kakojan College
Kakojan, Jorhat- 785107, Assam, India
Contact NO : +919854055331(M), +919435993315(M)

First Edition- 2018, 10th January

Price- Rs. 100/- only

ISBN- 978-81-924366-2-3

Printed at :

SABDA PRAKASH, Thana Road, Jorhat-1.
mobile : 9854354802

Cover Design & Layout : Ranjit Gogoi

R. Bordoloi

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Nibedita Gogoi

Dr. Nibedita Gogoi

Co-ordinator

- IQAC

Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107
website: www.kakojancollege.edu.in E-mail:kakojancollegeadmin@gmail.com

Authored
R.P. Bordoloi 27.11.17
Principal
Kakojan College
Jorhat, Assam

ILLUMINATION 12

Arsenic in the Environment and its effects on Human body

Utpal Sadhonider

Assistant Professor
Department of Chemistry
Kakojan College, Jorhat (Assam)

I. Introduction

Arsenic is a chemical element of atomic number 33 symbolized as As. Discovered by alchemist Albert the Great (Albertus Magnus) in 1250 A.D. It is a brittle steel-grey metalloid i.e. having properties of both metals and non-metal. When heated, arsenic does not melt, as most solids do. Instead, it changes directly into a vapor (gas). This process is known as sublimation. However, under high pressure, arsenic can be forced to melt at about 814°C (1,500°F). Arsenic has a density of 5.72 grams per cubic centimeter. When heated in air, arsenic combines with oxygen to form arsenic oxide (As_2O_3). A blue flame is produced, and arsenic oxide can be identified by its

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi

Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



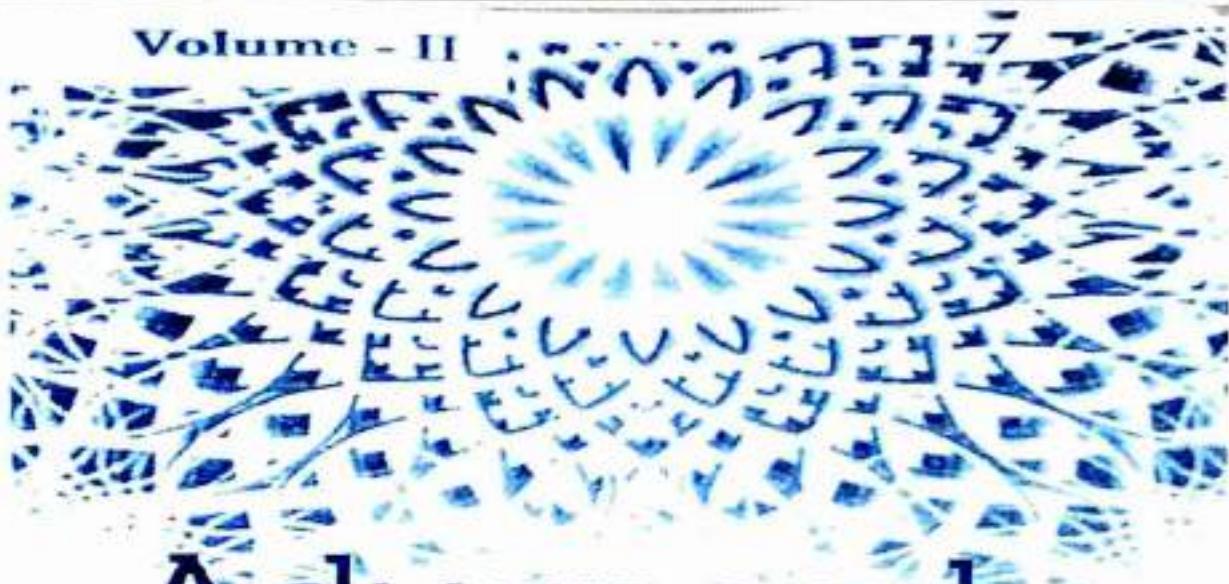
OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE
Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

BOOK CHAPTERS PUBLISHED (2017 – 2018)
(RAJDEEP BORA)

Volume - II



**Advanced
Mathematics**
Theory and Applications

Editor-in-chief:
Taekyun Kim

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
'Co-ordinator'
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107

website: www.kakojancollege.edu.in

E-mail: kakojancollegeadmin@gmail.com

CHAPTER - 22

S degree and R Degree based Topological Indices

Rajdeep Bora¹, A. Bharali²

Department of Mathematics, Kakojan College, Assam, India¹

Department of Mathematics, Dibrugarh University, Assam, India²

Email: rajdeepbora23@gmail.com¹, a.bharali@dbru.ac.in²

Abstract

In this article we discuss two new degree concepts viz., S degree and R degree of a vertex of a graph. Some topological indices based on these degree concepts are also studied. We also compute these indices for SiO_2 layer structure.

Keywords: S-degree, R-degree, Topological indices, Silicates.

1. INTRODUCTION

Graph theory has been playing an important role in modeling real world situations from the basic sciences to engineering and social sciences. The problems in various domains like chemistry, physics, operations research, social science, biology, computer science etc can be modeled as analogous problems on graphs and solutions to these graph problems give the solutions to the original problems. As a result, Chemical Graph Theory has been developed in the field of Chemical Sciences, in which chemists and mathematicians uses Topological Indices as a tool to study molecular graphs.

In chemical graph theory, a molecular graph is a simple graph (having no loops and multiple edges) in which atoms and chemical bonds between them are represented by vertices and edges respectively. The number of vertices of G adjacent to a given vertex v , is the "degree" of this vertex and will be denoted by $d(v)$. The distance between two vertices u and v is denoted as $d(u, v)$ and is the length of shortest path between u and v in graph G .

For a molecular graph G , with the vertex set $V(G)$ and the edge set $E(G)$, a topological index is defined as a numeric quantity that can be calculated from G .

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

BOOK CHAPTERS PUBLISHED (2017 – 2018)
(DR. DHARMENDRA DUTTA)

বিষ্ণুপ্রসাদ ব্রাহ্মা

এক বিদ্যায়তনিক অধ্যয়ন

সম্পাদনা

জীপেন নাথ • আচ্যুত দত্ত



Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
► IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

Bishnu Prasad Rabha (Ek Bidyayatanik Adhyayan): A collection of articles on Bishnu Prasad Rabha jointly edited by Dipen Nath & Achyut Dutta, Assistant Professors, Department of Assamese, Cinnamara College, published by Cinnamara College Sakha Sahitya Sabha Publication, Kavyakhela, Cinnamara, Jorhat-8(Assam)

Editorial Board

Chief Adviser

Ananda Saikia, founder Principal, Cinnamara College

Advisers

Dr. Girish Baruah, Ex-Professor, D.K.D. College, Dergaon

Dr. Binapani Devi, Retired Vice Principal, J.B. College, Jorhat

Dr. Kusumbor Baruah, Associate Professor, Assam University, Diphu Campus, Karbi Anglong

Dr. Apurba Borah, Associate Professor, Kendriya Mahavidyalaya, Jorhat

Dr. Barnali Borthakur, Assistant Professor, Cinnamara College

President

Dr. Anjan Saikia, Principal, Cinnamara College

Joint Editors

Dipen Nath, Assistant Professor, Cinnamara College

Achyut Dutta, Assistant Professor, Cinnamara College

Associate Editors

Tarun Saikia, Assistant Professor, Cinnamara College

Simanta Borah, Assistant Professor, Cinnamara College

Sewali Saikia Bordoloi, Assistant Professor, Cinnamara College

Manoj Kr. Sarmah, Assistant Teacher, Mahadev Agarwalla H.S. School, Mariani

Members

Bikash Ch. Das, Assistant Professor, Cinnamara College

Hemonta Kr. Hazarika, Assistant Professor, Cinnamara College

Date of Publication : 20th June, 2018

Cover Design & Plan : Ruhit Dutta

ISBN : 978-93-84191-62-7

Published By : Cinnamara College Sakha Sahitya Sabha Publication

Price : Rs. 300/-

Printed at : Delta Commercial, Bongal Pukhuri, Jorhat

All rights reserved. No part of this book may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the publisher.

R. Bordoloi

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Agos,

Dr. Nibedita Gogoi
Coordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadmin@gmail.com

সঙ্গীত শিল্পী বিক্রুৎ প্রসাদ বাড়াৰ অসমৰ সাংস্কৃতিক কেন্দ্ৰলৈ অবদান

১৬১

■ ড° মৌচুমী মহোন্ত

বিক্রুৎপ্রসাদ বাড়াৰ ৰচনাত সামাজিক, সাংস্কৃতিক আৰু প্ৰতিহাসিক চেতনা

১৭১

■ ড° ধৰ্মেন্দ্ৰ দত্ত

বিক্রুৎপ্রসাদ বাড়াৰ সামাজিক-সাংস্কৃতিক চিন্তা : এক অবস্থাকলন

১৭৮

■ নথিতা চূড়ীয়া শইকীয়া

বিক্রুৎপ্রসাদ বাড়া : সমাজ, সংস্কৃতি, আতি গঠন প্ৰক্ৰিয়া আৰু সাম্প্ৰতিক সময়

১৮০

■ ড° সোনাৰাম কলিতা

অসমৰ সাংস্কৃতিক কেন্দ্ৰলৈ বিক্রুৎপ্রসাদ বাড়াৰ অবদান

১৯১

■ মালামণি গোস্বামী শৰ্মা

বিক্রুৎপ্রসাদ বাড়াৰ গবেষণামূলক চিন্তাৰাজি ■ ড° নয়নমণি মেধি

২০১

চূল্পেন হাজৰিকাৰ লেখনিত প্ৰতিফলিত বিক্রুৎপ্রসাদ বাড়াৰ ব্যক্তিত্ব :

২০৮

এক বিশ্লেষণ

■ তৈৰী ফুকন

কলাত্মক বিক্রুৎপ্রসাদ বাড়া বিষয়ক অসমীয়া কবিতা : এটি সমীক্ষাকৃত অধ্যয়ন

২১৮

■ ড° জ্যোতিৰ্ময় বৰুৱালৈ

মেদিনী চৌধুৰীৰ উপন্যাসত প্ৰতিফলিত বিক্রুৎপ্রসাদ বাড়াৰ জীবন আৰু কৃতি :

২৩০

এক বিশ্লেষণ ('ফেৰেংগাদাও' শীৰ্ষক উপন্যাসৰ প্ৰসংগত)

■ মৌচুমী ফুকন

বিক্রুৎ বাড়াৰ গীতৰ ভাষা : এক শৈলীবৈজ্ঞানিক অধ্যয়ন

২৪৩

■ মানসজ্যোতি নিমলীয়া

লেখক পৰিচিতি

২৫৫

লেখাসমূহত প্ৰকাশ পোৰ্টাল মৃষ্টিভঙ্গী আৰু তথ্যৰ বাবে লেখকসকল দায়বদ্ধ।

এটা অনলেস সম্পাদকৰ বা সম্পাদনা সংকলন দায়বদ্ধ নহ'য়।

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT; Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

বিশুদ্ধসাদ বাভাৰ ৰচনাত সমাজ, সাংস্কৃতিক আৰু ঐতিহাসিক চেতনা

■ ড° ধৰ্মেন্দ্ৰ দত্ত

বিশুদ্ধসাদ বাভা একেধাৰে এজন কবি, গীতিকাৰ, নাট্যকাৰ, চিত্ৰশিল্পী, বিপ্লবী, অভিনেতা, সুবক্ষা আৰু সংগীত কলাৰ বিভিন্ন দিশৰ চৰ্চাকাৰী। তেওঁ
এজন ভাল খেলুৱৈ আৰু কিছুদিন যাবসায়ীও আছিল। তদুপৰি তেওঁ সক্রিয়
ৰাজনীতিতো অংশগ্ৰহণ কৰিছিল। অসমীয়া সংস্কৃতিৰ পূজাৰীকপেই তেওঁৰ পৰিচয়
সৰ্বাধিক বাবেই অসমীয়া সমাজত তেওঁ 'কলাত্মক' নামেৰে পৰিচিত। তেওঁ
বহসংব্যক গীত-কবিতা আৰু নাটক আদি ৰচনা কৰিছিল যদিও বাভাই এক
শ্ৰেণিমুক্ত জীৱন যাপন কৰাৰ বাবেই বৰ্ণনিনি ৰচনা হৈলোৱলগা হৈছিল। তেওঁ
ৰচনাত অতি দক্ষতাৰে অসমীয়া গীবলীয়া মানুহৰ ভাষা ব্যৱহাৰ কৰিছে। তেওঁৰ
গীত আৰু কবিতাত আম্য আৰু বৈষম্য সমাজৰ চিত্ৰ নিপুণতাবে ফুটাই তুলিবলৈ
সক্ষম হৈছিল। নাট্য শিল্পী হিচাপেও বাভাৰ প্রতিভা কোনো গৱে কম নাছিল।
নাটক, কথাপঞ্জি, ৰেকৰ্ড-নাট আদিত তেওঁৰ অভিনয় দক্ষতা সুস্বৰ্তৱে থকাশ
পাইছে। তেওঁ এজন ভাল নাট্যকাৰ আছিল যদিও নাট্যকাৰ হিচাপে শীৰ্ষতা কম
দেখা যায়। 'মুক্তি-দেউল', 'ন-পুঁথিবীৰ নতুন হুগ', 'গোড়নি-ৰেঙনি' আদি কেইখনমান
সক নাটকৰ বাহিৰে বাকীবোৰ থকাশ নহ'ল। তেওঁৰ নাট্যশলীৰ ডিতৰত গীতি-
নৃত্য-নাট্য, কালনিক কাব্যধৰ্মী নাট, সাধাৰণ নাটক, শৰূপলো নাটৰ কাণ্ডিক কলাত্মক
আৰু কথাপঞ্জিৰ বাবে লিখা নাটকো আছে।

Ruprekha
Bordoloi

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



H.C.G.

Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107

website: www.kakojancollege.edu.in

Email:kakojancollegeadm@gmail.com

BOOK CHAPTERS PUBLISHED (2017 – 2018)
(DR. DHARMENDRA DUTTA)

অমৃতা নাট পরিষদ্ধ

সম্পাদনা
অমল চন্দ দাস



Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
'Co-ordinator
~ IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107

website : www.kakojancollege.edu.in

E-mail : kakojancollegeadm@gmail.com

ASOMIYA NATYA PARIKRAMA : A book on some collection of critical essays on the valuable Assamese Drama, compiled and edited by Amal Chandra Das and Published by Ananta Hazarika on behalf of M/s Banalata, Jaswanta Road, Panbazar, Guwahati - 1, Assam.
First Edition : February, 2018

Price : ₹ 600/-

প্ৰকাশক :

অনন্ত হাজৰিকা

বনলতা

পানবজাৰ, গুৱাহাটী-১

মূল্য কাৰ্যালয় :

নতুন বজাৰ, ডিঙগড়-১

website : www.banalata.in

webmail : banalata@banalata.in

email : banalata_india@yahoo.com

© সম্পাদক

প্ৰথম সঞ্চেষণ : ফেব্ৰুৱাৰী, ২০১৮

আইপি ও আনুল প্ৰক্ৰিয়া

প্ৰক্ৰিয়া : সঞ্চীত বৰা

মূল্য : ₹ ৬০০.০০ টকা

ISBN : 978-81-933536-7-7

অসমসংস্কৃত কুমুদ শৰ্মা

বৰ্মহৰ, পানবজাৰ, গুৱাহাটী-০১

মুদ্রক :

শ্রীহীন্দু কল্পনা চাইপ্ৰক্ৰিয়া লিঃ

জোড়গোপনীয়া, বাসুনীমেদোৱা

গুৱাহাটী-৭৮১০২১

Ruprekha Bordoloi
Dr. Ruprekha Bordoloi

*Principal
Kakojan College
Jorhat, Assam*



Nibedita Gogoi
Dr. Nibedita Gogoi

*Co-ordinator
IQAC
Kakojan College
Jorhat, Assam*



OFFICE OF THE PRINCIPAL

KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, ASSAM-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

বিজীর পথ

(নাটক কাব্যসহ সাময়িক বিভাগ আৰু বিজ্ঞেৰণ)

- অধ্যনক্ষম প্রক্ৰিয়াৰ নাটক
 - > লিখিত প্ৰৱৰ্তনা/১১১
- অনুবোলৰ নাটক
 - > স্থানৰ বৰা/১৮২
- অনুবোলৰ সুন্দৰ নাটক
 - > ডেটুৰ বৰি বৃচ্ছাপোজ্যাতি/১৯০
- অনুভিবাদ বকলাব নাটক
 - > ডেটুৰ শৈলাবলী শহীদীৰ বৰা/২১৭
- হেৰতুৰ বকলাব নাটক
 - > অকল চৰা দাস/২০৫
- পুনৰ্বিত দেৱ পৰ্মাণুৰ নাটক
 - > সুন্দৰত গোৱামী/২৪১
- সমৰ্পণালোক বেকলাবকলাব নাটক
 - > ডেটুৰ সুৱারতজ্যাতি লেওগ/২৫৬
- সুন্দৰসাম অভিন্নাব বকলাব নাটক
 - > ডেটুৰ আশুল মালিক/২৬২
- পৰমাণুৰ গোহাতিভিলকলাব নাটক
 - > ডেটুৰ মলিকা চূড়ীৱা/২৬৯
- চৰপথ বকলাব নাটক
 - > ডেটুৰ কৰী বৰা/২৮০
- কৰীৰ চৰা বকলালৈৰ নাটক
 - > পাইৰী মেৰী/২৯৬
- অভিন্নালী বায়চৌধুৰীৰ নাটক
 - > পলি বৰা/৩০২
- পৰমন চলছ্যৰ নাটক
 - > ডেটুৰ অজন্ত কুমাৰ বৰা/৩০৮
- অভিন্নাব কলিতাৰ নাটক
 - > ডেটুৰ পাইৰী চূড়ীৱা/৩১৬

- প্ৰেলধৰ বাজখোৱাৰ নাটক
 - > ডেটুৰ দীপশিখা কলিতা/০১৫
- ধিৱদেৱ মহত্ত্বৰ নাটক
 - > নৱানজ্যোতি কুমাৰ/০৩১
- কমলানন্দ ভট্টাচাৰ্যৰ নাটক
 - > ডেটুৰ অৰ্পণা দত্ত/০৪০
- নকুলচন্দ্ৰ কুঠার নাটক
 - > বজ্জিত দাস/০৪৪
- দৈৱচন্দ্ৰ তালুকদাৰৰ নাটক
 - > ডেটুৰ হেমন্তকুমাৰ দাস/০৬০
- প্ৰসৱলাল চৌধুৰীৰ নাটক
 - > ডেটুৰ বৰমেল মেৰি/৩৭১
- অভুলচন্দ্ৰ হাজলিকাৰ নাটক
 - > ডেটুৰ প্ৰফুল্ল কুমাৰ নাথ/০৫১
- আনন্দচন্দ্ৰ বকলাৰ নাটক
 - > ডিবজেজ্যাতি বকলা/০৮১
- গণেশ চৰা গাঁগেৰ নাটক
 - > নথিতা শহীদীৱা/৩৯১
- ব্ৰজনাথ শৰ্মাৰ নাটক
 - > ডেটুৰ দৱানন্দ পাঠক/৪০৩
- অ্যাভিপ্ৰেসাম আগৰবালাৰ নাটক
 - > অকৃপণী বৃচ্ছাপোজ্যাতি/৪১৪
- সাৰদা কাত বকলালৈৰ নাটক
 - > ডেটুৰ স্মৃতিবেৰা চেতিয়া সন্ধিলৈ
- প্ৰদীপ সুকলাৰ নাটক
 - > ডেটুৰ কৰিতা গাঁগ/৪৪৪
- শুবেন্দু নাথ শহীদীৱাৰ নাটক
 - > কেশৱ শহীদীৱা/৪৫১

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



MoI,

Dr. Nibedita Barogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107

website: www.kakojancollege.edu.in

E-mail: kakojancollegeadm@gmail.com



কমলানন্দ ভট্টাচার্যৰ নাটক ৰচনাৰ ধৰ্মেজ্জব দণ্ড

বারীনতা-পূর্বকালত অসমীয়া সাহিত্য জগতকে
নিমি আগবঢ়াই, পৈষ যোৰাসকলৰ ভিত্তিত কমলানন্দ
ভট্টাচার্য জন্মতয়। তেওঁৰ ভালোমান গীত, কবিতা, নাটক
হ'লি বচনা কৰি সৃষ্টি প্রতিভাৰ দক্ষতা দাঢ়ি ধৰিছে।
ভৰ ক্ষেত্ৰত তেওঁৰ ক্ষেত্ৰত প্ৰসাদ আগবঢ়ালা,
মুক্তিপ্ৰসাদ বকৰা, বিশুদ্ধপ্ৰসাদ বাজা আদিৰ জগতে
মহাপূৰ্ণ ভূমিকা পৱন কৰি আছিছে। তেওঁৰ গীতৰ
পৰ্যন্তে লক্ষ্মীনাথ বেজৰকৰা আৰু জ্যোতিপ্ৰসাদ
হৰমুলাই উচ্চ প্ৰশংসন কৰি গৈছে। আৰুকি তেওঁ
চৰা, বেহেলা, বীৰী, এচৰাজ আদি সুন্দৰীকৈ বজায়
ধৰিছিল। ভট্টাচার্যৰ গীতত বাপকাঙ্ক্ষক ভাবা, ভাব-
জ্ঞক ভাবা, ভাব-ব্যঙ্গক চিত্ৰকৰা, সহজ-সৰল জড়ুবা
ক, বহস্যুবাদ, অসেশ্বৰোঁম আৰু সুখ-সুখৰ অভিনব
হিম দেখা যায়। ইয়াৰ উপৰি তেওঁৰ ভালোমান কবিতা
হ'লি ক্ষম্য প্রতিভাৰ পৰিচয় দাঢ়ি ধৰিছে। দেশোৰাবোধ,
ফৰাহিকতাভাৰ আৰু প্ৰেম-প্ৰণয়জনিত ভালোমান
হিমান হাজেৰি ভট্টাচার্যৰ জীৱনৰ আদৰ্শ স্পষ্ট কলত
হ'লি পুলিবলৈ সুক্ষম হৈছে। দেশোৰামসূলক কবিতাৰ
হাজেৰি ভট্টাচার্যৰ আধীনত। সংখ্যামী আৰু
জীৱিতভাৱী মনৰ বৰুপটোৱাৰ প্ৰকাশ ঘটিছে। একমাত্ৰ
ক্ষেত্ৰপুৰি 'বিগামিহৰ ছাইদী' (১৯৪৮)ৰ কবিতাৰ
হ'লি তেওঁ ভাবতৰ আধীনত। সত্যামৰ বিভিন্ন দিন
হ'লি ধৰিবলৈ সুক্ষম হৈছে। সেই সময়ৰ সামাজিক
ক্ষেত্ৰত প্রতিজ্ঞাৰ তেওঁৰ কবিতাবিলাকৰণৰ মাজত পোৱা
যাব। কমলানন্দ ভট্টাচার্যই কেইবাৰখনো নাটক বচনা
কৰিবলৈ প্রতিভাৰ পৰিচয় দিবলৈ সুক্ষম হৈছে। তেওঁৰ
ক্ষেত্ৰত প্ৰতিজ্ঞাৰ পৰিচয় দিবলৈ সুক্ষম হৈছে। তেওঁৰ
ক্ষেত্ৰত প্ৰতিজ্ঞাৰ পৰিচয় কৰিবলৈ আৰু আৰু

অনন্ততিসূলক। তেওঁৰ নাটককৈ বলে বাবীনতা-
পূৰ্বকালৰ অসমীয়া নাট্য মৰণত সমাদৰ সাত কৰিবলৈ
সুক্ষম হৈছে। 'নগাকৌৰ' (১৯৩৬) আৰু 'মৰাল
জীৱৰী' (১৯২৪ চনত বচনা ১৯৭০ চনত প্ৰকাশ)
ভট্টাচার্যৰ মুখন উচ্চৰথযোগ্য ঐতিহাসিক নাটক।
সেইদৰে 'অৰসান' (মৰণোত্তৰ প্ৰকাশ ১৯৫৬),
'চিজুলা' (মৰণোত্তৰ প্ৰকাশ ১৯৫৬) আৰু 'সাকিশী'
(মৰণোত্তৰ প্ৰকাশ ১৯৫৬) নাটককৈই ভট্টাচার্যৰ
পৌৰোহিতিৰ নাটক। বিশেষকৈ 'অহাভৰত' আৰু 'ভাগবত
পুৰাণ' কাহিনীবলৈ আনি সেইদৰেই দাঢ়ি ধৰিবলৈ চোঁট
কৰিছে। ভট্টাচার্যই অনন্ততিসুলক আধাৰত 'বৰিভাৰীৰ বাজ্য
লাভ' (মৰণোত্তৰ প্ৰকাশ ২০০৩) নাটকখনৰ কাহিনী
কাজনিকভাৱে দাঢ়ি ধৰিবলৈ আয়াস কৰিছে। কমলানন্দ
ভট্টাচার্যই কেবল নাটক লিখাই, নহয়, মৰণত অভিনব
কৰিবও সৰ্বকৰ স্মৃক কৰিছিল। এজন সুন্দৰ অভিনেতা
ক'লে সৰ্বকৰ মাজত তেওঁৰ পৰিচিতি আছিল। ভট্টাচার্যৰ
নাটকসমূহে অসমৰ নাট্যমৰণত উচ্চৰথযোগ্য ভূমিকা
পৱন কৰিছিল।

ঐতিহাসিক নাটক : ইতিহাসক পটভূমি অকলে
লৈ ঐতিহাসিক ঘটনাক কেজৰ কৰি লিখা নাটককে
ঐতিহাসিক নাটক বুলি কোৱা হয়। অন্তশ্রে ঐতিহাসিক
নাটক ইতিহাসৰ পুনৰুৎসৃতি নহয়। ইতিহাসৰ তকান
ঘটনাক কলনাৰ অবিয়তে প্ৰাপ অভিষ্ঠা কৰিব পৰাটোৱা
ঐতিহাসিক নাটকৰ প্ৰধান উদ্দেশ্য। হ'লেও ঐতিহাসিক
নাটকত পোঁজ কৰাত ওক্তব দিব লাগিব যে ব
ঘটনাই ঘাটে ঐতিহাসিক ঘটনাক বাধা আৰু
নোৱাৰে। এনে নাটকত ঐতিহাসিক সত্ৰ

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam

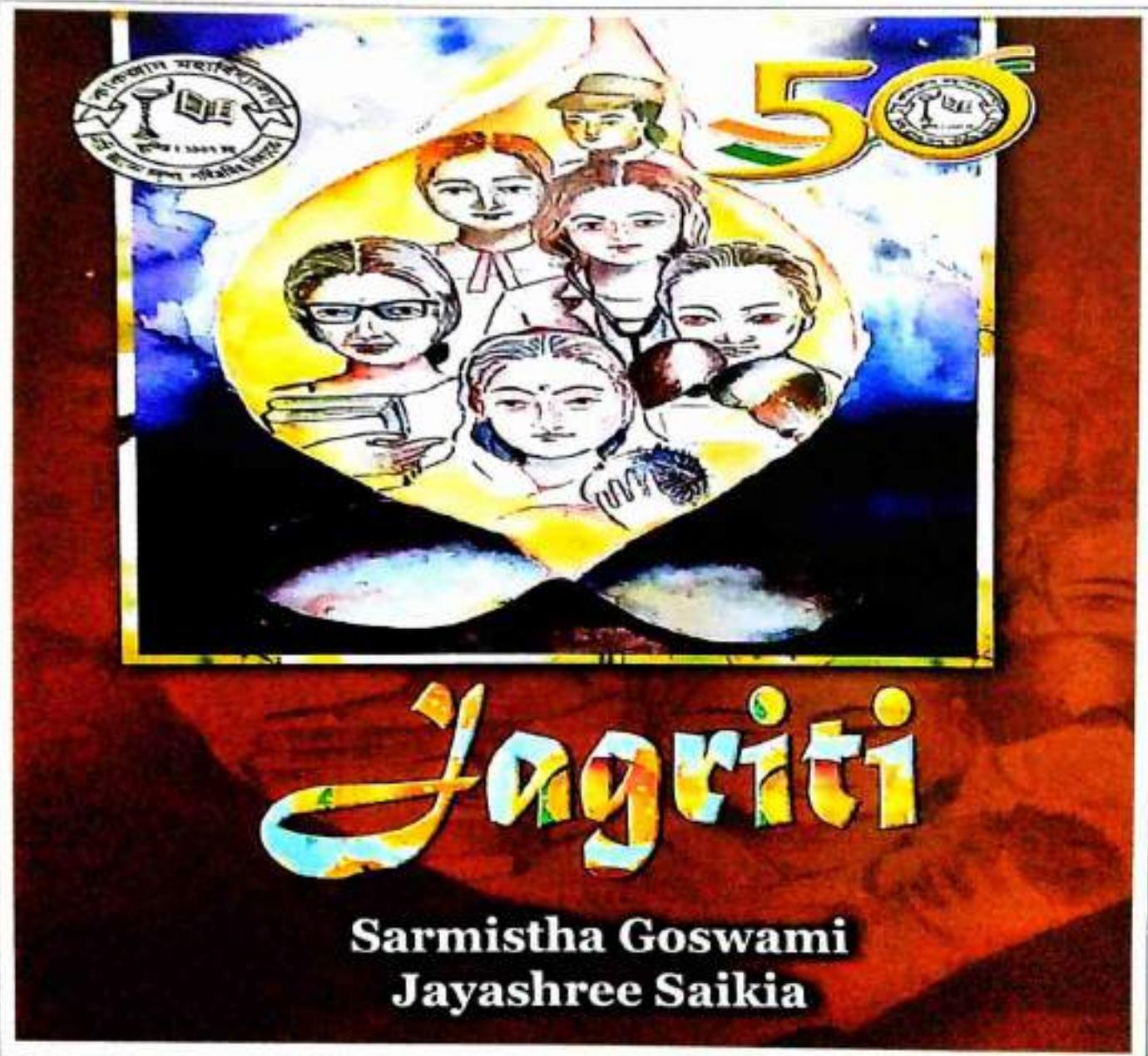


OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE
Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadmin@gmail.com

BOOK CHAPTERS PUBLISHED (2017 – 2018)
(SARMISTHA GOSWAMI)



Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakopuncollegednm@gmail.com

Jagriti / 2



Jagriti

A collection of articles edited by Sarmistha Goswami, Co-ordinator, Centre for Women's Studies and Jayashree Saikia, Assistant Professor (*Dept. of History*), Kakojan College, Jorhat, Assam and published by Ranjit gogoi on behalf of SABDA PRAKASH.

Thana Road, Jorhat-1 Assam
ranjit_jrt@rediffmail.com
ranjitgogoi14@gmail.com

First Edition- June, 2017
Price - Rs.300/-only.

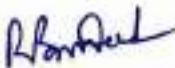
© Sarmistha Goswami
Jayashree Saikia

printed at :

SABDA PRAKASH,
Thana Road, Jorhat-1.
mobile : 9854354802

cover design : Bobita Borkotoky
Layout : ranjit gogoi

ISBN-978-81-924366-0-9


Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam




Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in E-mail:kakojancollegeadmin@gmail.com

Jagriti / 7

Contents

- ◆ **Human Rights of Indian Women: Myths and Reality**
Dr. Archana Bhattacharjee /9
- ◆ **Women in Medieval Assamese Society: an analysis**
Jayashree Saikia / 17
- ◆ **THE DEVELOPMENT OF THE IDEA OF FEMINISM AND THE FEMINIST MOVEMENT IN THE WORLD**
Sarmistha Goswami / 22
- ◆ **Some Female Mathematicians and their Contribution**
Mrs. Jita Dutta /32
- ◆ **The Great Indian Lady Mathematicians – Shakuntala Devi**
Subhasis Kotoky / 42
- ◆ **Kalpana Chawla : First Indian Woman in Space**
Mr. Dhrubajyoti Sarmah / 47
- ◆ **Domestic Violence against Women in India: An Analysis**
Lakhya Pratim Nirmolia / 52
- ◆ **The Mother of Nuclear Fission – Lise Meitner**
Utpal Sadhonidhar / 62
- ◆ **A sociological study on Status of Spinsters in Mishing society**
Minakshi Mili /66

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
• IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

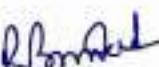
P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107
website: www.kakojancollege.edu.in E-mail:kakojancollegeadm@gmail.com

Jagriti / 22

THE DEVELOPMENT OF THE IDEA OF FEMINISM AND THE FEMINIST MOVEMENT IN THE WORLD

Sarmistha Goswami
Assistant Professor
Department of History

In the present day world feminism is a familiar concept but the history of the development of the concept of Feminism is not much old. The word feminism was originated in the West. Towards the end of 18th century, as a result of the rise of the movement for the right of women, the idea of Feminism born. John Charvet says in his book "Feminism" that the idea of equality between men and women is called feminism. From the


Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
• IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, ASSAM-785 107

website: www.kakojancollege.edu.in

E-mail:kakojancollegeadmin@gmail.com

RESEARCH PAPER PUBLISHED (2017 – 2018)
(DR. PANKAJ GOSWAMI)

ISSN 2321 - 18 X



सत्यम्
विजयम्

Annual Journal : Vol. V
Assam College Teachers' Association, Jorhat Zone
Jorhat, Assam
Year : 2017



Editor
Pranjal Dutta

R. Bordoloi
R. Bordoloi

Principal
Kakojan College
Jorhat, Assam



Nibedita Gogoi
Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL

KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in E-mail:kakojancollegeadm@gmail.com

CONTENTS

• Women Education as an Instrument of Empowering Women for Gender Equality	<i>Dr. Nilima Bora</i>	7
• Gender Mainstreaming and Gender Justice in India	<i>Mayashree Buragohain</i>	15
• অসমীয়া সমাজত সাম্প্রতিক আলোচনীৰ প্রাসংগিকতা	অর্জনা দেৱৰে	18
• Progressive Ads: Portrayal of Women in Indian TV Commercials	<i>Amarjyoti Devnath</i>	21
• Recent Trends in Education: Indian Education and Women	<i>Mrs. Gita Sarma</i>	27
• The 73 rd Amendment And Empowerment of Rural Women	<i>Dr. Jolly Borthakur</i>	30
• Voicing in Silence: Fragmented stories of Widowhood in selected fictions of Indira Goswami	<i>Pranjal Nath</i>	35
• A Reading of Indira Goswami's <i>The Offspring</i> with a Feminist Approach	<i>Dipali Borthakur</i>	39
• অগতিশীল অসমীয়া কবিতাৰ গতি-প্ৰকৃতি	ড"় জ্যোতিবেৰা হাজৰিকা	44
• অসমীয়া উপন্যাসত অসমীয়া শিখৰ প্ৰসংগ :: এটি অবলোকন	ড"় অনুৰূপ বৰা	55
• ডিয়াসকলৰ কথিত অসমীয়াৰ ধ্যানিতাত্ত্বিক বিশেষত্বসমূহ :: এটি অধ্যয়ন	ড"় জ্যোতিময় বৰদলৈ	66
• Development Communication and Bhupendra Sangeet: A Study of Selected Songs of Dr. Bhupen Hazarika	<i>Ajit Kr. Borah</i>	75
• Urban Theme in the Poetry of Nissim Ezekiel : A small scale reflection	<i>Dr. Pankaj Goswami</i>	82
Financial Institutions of Colonial Assam: An Account from Advertisements	<i>Dr. Soumitra Puzari</i>	87
• The Performing Art of Sonowal Kacharis of Assam and Ethnonationalism	<i>Pallabita Das (Invitee Author)</i>	95

The Watchword

(Signature)
Dr. Ruprekha Bordoloi

*Principal
Kakojan College
Jorhat, Assam*



(Signature)
Dr. Nibedita Gogoi
*Co-ordinator
IQAC
Kakojan College
Jorhat, Assam*



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107

website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com



Urban Theme in the Poetry of Nissim Ezekiel : *A small scale reflection*

Dr. Pankaj Goswami
Assistant Professor
Kakojan College

Introduction:

Nissim Ezekiel is one of the most notable post-independence Indian English writers of verse, one who best represents the national identity. His poetry shows a luxurious growth over the years culminating in *Latter-Day Psalms* (1982), which brought to him the Central Sahitya Akademi Award in 1983. His greatest contribution lies in modernizing poetry, in giving it themes and techniques in consonance with the spirit of the age. Ezekiel broadens the range of his poetry thematically by writing on contemporary themes. His poetry is never static and it moves with the time. He attracts readers from other countries also as his poetry gives them the flavour that is India, the real India.

Ezekiel presents an urban scene in his poetry. A sharp observer and an ironic commentator of Indian urban as well as social scene, Ezekiel interprets his total Indian experience through objective situations. The urban theme dominates his poetry and this theme runs through all the anthologies published by the poet. No modern Indian English poet has given a more comprehensive picture of the various facets of urban life than Ezekiel has done. He depicts the people and the life of the city which he regards almost as his native city even though he belongs to a migrant Jewish family who had settled down

there and made the city their home. Ezekiel is a critic and a censor of the city life as he sees it, and not a champion or even an apologist of it. He has exposed to ridicule the ugly spots of the city and the failings, shortcomings and deficiencies of city life.

Objectives:

This paper takes up a few key ideas and words from Nissim Ezekiel's poetry in its attempt to establish that Nissim Ezekiel has added a new dimension to the treatment of urban theme in his poetry. The paper also makes an attempt to show how Ezekiel for the first time brought an urban touch to poetry and with the help of irony and satire exposes the evils of urban society.

Methodology:

The paper is based on content analysis. For constituting of the paper, primary as well as secondary sources are used. The primary sources include the original selected works of the poet taken for study. The secondary sources include reference books and other related articles.

Findings and Discussions:

The urban theme dominates Ezekiel's poetry and this theme runs through all the anthologies published by the poet. Various images of 'city' which have become an integral part of modern poetry come out well in Ezekiel's volumes of early poetry such as *The*

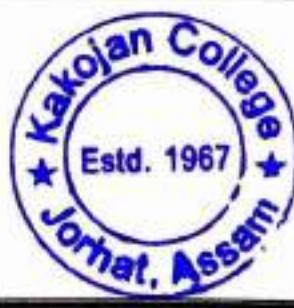
The Watchword

52

R. Bordoloi

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nihedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE
Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.Kakojancollege.edu.in

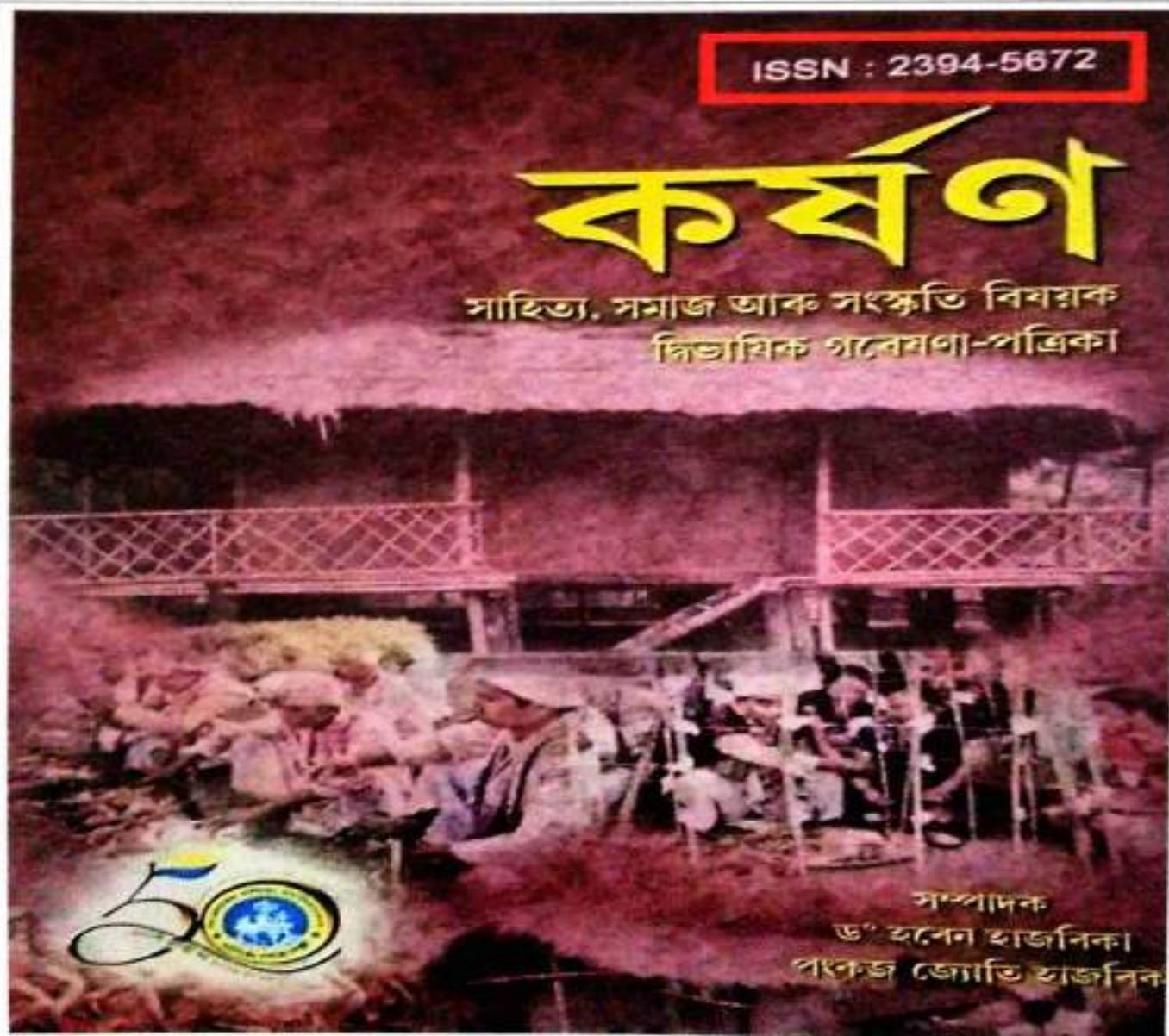
E-mail:kakojancollege@gmail.com

RESEARCH PAPER PUBLISHED (2017 – 2018)
(DR. DHARMENDRA DUTTA)

ISSN : 2394-5672

কষণ

সাহিত্য, সমাজ আৰু সংস্কৃতি বিষয়ক
দিভায়িক গবেষণা-পত্ৰিকা



R.Bordoloi
Dr. Ruprekha Bordoloi
Principal
Kakojan College
Jorhat, Assam



Nibedita Gogoi
Dr. Nibedita Gogoi
'Co-ordinator
- IQAC
Kakojan College
Jorhat, Assam'



**OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE**
Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadmin@gmail.com

কলিতা অনুগোষ্ঠী : পরিচয়, সমাজ আৰু সংস্কৃতি

১৬০-১৬৯

এইচআজল অতিম বড়া

Agricultural Folk Beliefs of the Hajongs:
A Descriptive Study in Assam

১৭০-১৭৮

Dr. Avijit Kumar Dutta

বাউলী কবি কমলানন্দ ভট্টাচার্য

ড° ধৰ্মেন্দ্ৰ সহা

১৯৯-১৯৪

সাহিত্য সমাজতত্ত্ব (Sociology of Literature) ৰ দৃষ্টিবে
লুক্ষণৰ দাইৰ উপন্যাস

১৯৫-২১৩

ড° চিৰজিৎ শইকীয়া

ভবেজ নাথ শইকীয়াৰ শিশু-সাহিত্যত শিশু মনস্তত্ত্ব
এইচ বণালী বড়া

২১৪-২৩১

অসমৰ ভাওনা আৰু ইয়াৰ পৰিবৰ্তিত ধাৰা

২৩২-২৪২

মৃগালী মহসু

বাকচু সাউদকুছি সজ্জত পৰিবেশিত দুখন তাল

২৪২-২৫৬

বাজীৰ মহসু

পংকজ জ্যোতি হাজৰিকা

Biodiversity and Cultural Heritage Tourist Destination : ২৫৭-২৬৮
A study of Majuli Island Dr. Prodip Gogoi
 Dr. Ratan Barman

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi

'Co-ordinator
IOAC'

Kakojan College
Jorhat, Assam



**OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE**
Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

বাউলী কবি কমলানন্দ ভট্টাচার্য

ড^জ পর্মেক সত

১.০১ অবতরণিকা :

আধুনিক অসমীয়া সাহিত্যের বিকাশের ক্ষেত্রে বোমাণিক যুগৰ এক গুরুত্বপূর্ণ ভূমিকা আছে। 'জোনাকী', 'উৰা', 'বৌহী', 'আবাহন' আদি বিভিন্ন আলোচনীসমূহৰ যোগেদি অসমীয়া সাহিত্যত নতুন নতুন ভাবধারাৰ সৃষ্টি হয়। এই সময়জ্ঞেৰাত গঢ়ি উঠা অদেশী আন্দোলনসমূহেও সাহিত্যত প্রভাৱ বিজ্ঞাৰ কৰে। ১৯২১ চনত ভাৰত জুৰি ত্ৰিতীছ সাম্রাজ্যবাদী বিৰোধী জাতীয় আন্দোলনৰ সোত বৈ গৈছিল। তাৰ প্ৰভাৱে পূৰ্বপ্রান্তৰ অসমকো প্ৰাবিত কৰিছিল। সংগ্ৰামত ত্ৰিতীছ সাম্রাজ্যবাদৰ বিকলকে জাতীয়-চেতনা বহুগুণে বাঢ়ি যায়। এই নব-চেতনাই অসমীয়া সাহিত্যত নতুন তেজৰ সংস্থাৰ কৰে। এনে কাৰণতে ভাৰতৰ স্বাধীনতা আন্দোলনৰ পটভূমিত জাতীয়-চেতনাৰ সাহিত্যাই বিকশিত হোৱা দেখা গ'ল। লক্ষ্মীনাথ বেজবৰুৱা, পদ্মনাথ গোহাঞ্জি বৰুৱা, হেমচন্দ্ৰ গোৱামী, অতুলচন্দ্ৰ হাজৰিকা, বিশুপ্রসাদ বাড়া, কমলানন্দ ভট্টাচার্য আদি সেৱকসমূহৰ বচনাত এনে জাতীয়-চেতনা তীব্ৰ হৈ উঠিল। কমলানন্দ ভট্টাচার্যৰ ভালেমান গীত আৰু কবিতা ভাৰতৰ স্বাধীনতা আন্দোলনৰ পটভূমিত বচিত। তেওঁৰ ঐতিহাসিক আৰু পৌৰাণিক নাটকসমূহৰ মাজত জাতীয়-চেতনা তীব্ৰ কৰণত ফুটি উঠা দেখা যায়।

মহাকী গান্ধীৰ বাজনৈতিক আন্দোলনৰ অন্তৰালত এটি অকীয় দৰ্শনো আছিল। এই দৰ্শন অনুসৰি গান্ধীয়ে সামাজিক সংগঠন, অৰ্থনৈতিক আৰু স্থিতি, শিক্ষাৰ সম্প্ৰসাৰণ আৰু নাৰী মুক্তি সাধন কৰিবলৈ যত্ন কৰিছিল। গান্ধীৰ এই দৰ্শনৰ পৃষ্ঠভূমিতে স্বাধীনতা-পুৰ্বকালৰ অসমীয়া সাহিত্যাই পূৰ্ব পৰম্পৰাৰ পৰা

কৰ্তৃপক্ষ, তৃতীয় সংখ্যা, ২০১৮/পু. ১৭৯

Dr. Ruprekha Bordoloi
Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
'Co-ordinator'
• IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE
Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, ASSAM-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegemail@gmail.com

RESEARCH PAPER PUBLISHED (2017 – 2018)
(LAKHYA PROTIM NIRMOLIA)

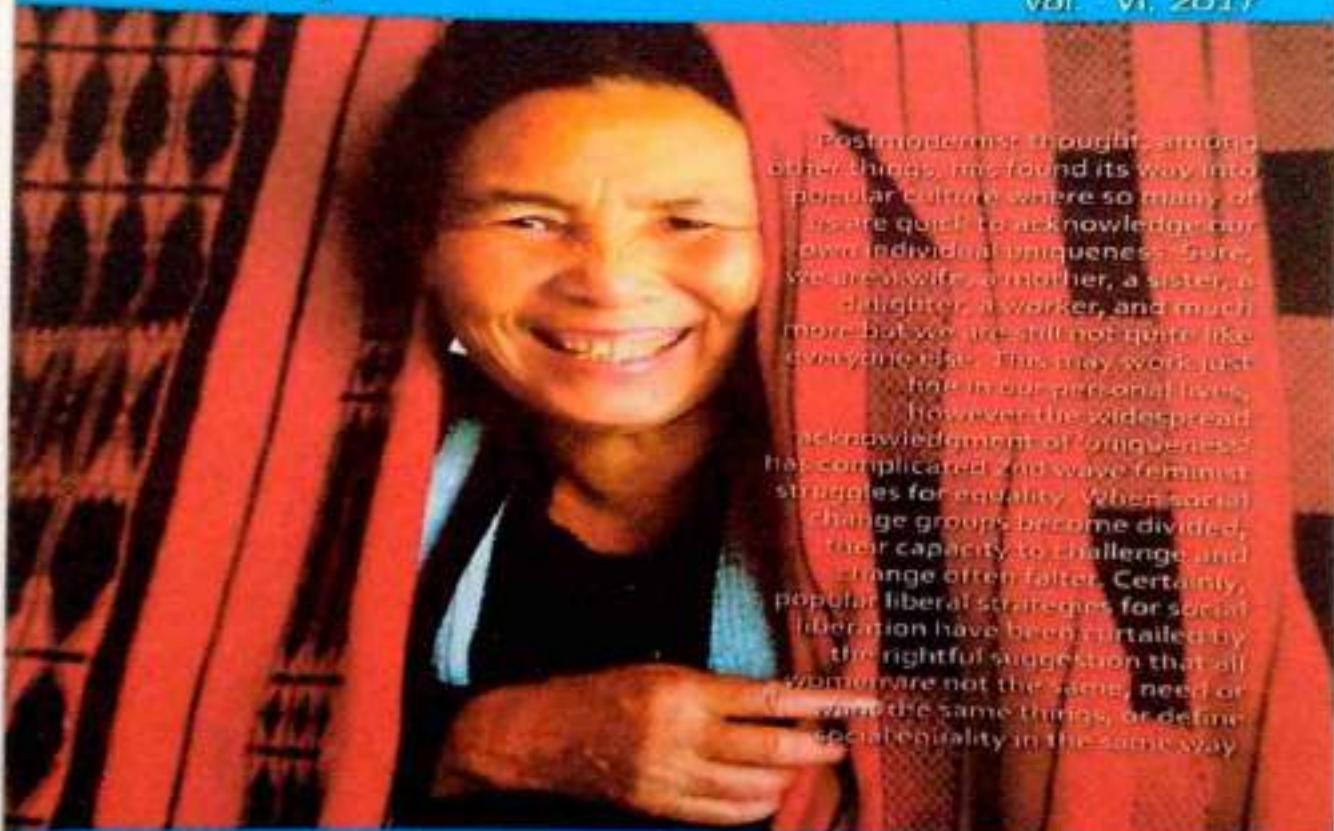


Celebrating 50 Years
of Journey

Emerging Echoes'

Journal of Centre For Women's Studies
Kakojan College, Jorhat, Assam
Vol. VI, 2017

ISSN 2230-7643



postmodernism thought amidst other things, has found its way into popular culture where so many of us are quick to acknowledge our own individual uniqueness. Sure, we are a wife, a mother, a sister, a daughter, a worker, and much more but we are still not quite like everyone else. This may work just fine in our personal lives. However, the widespread acknowledgement of uniqueness has complicated 2nd wave feminist struggles for equality. When social change groups become divided, their capacity to challenge and change often falters. Certainly, popular liberal strategies for social liberation have been hampered by the rightful suggestion that all women are not the same, need or want the same things, or define social equality in the same way.

Editors

Dr. Ruprekha Bordoloi
Dr. Archana Bhattacharjee

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 102
Website: www.kakojancollege.edu.in

E-mail: kakojancollege@jorhat.assam.gov.in

The Depiction of Psychological Crisis of Maya: A Study on
Anita Desai's "Cry The Peacock"

- Bhairabanan Borah

Oppression Marginalization Casteism and Subordination
of Dalit Women: An Insight into Babu Kamble's
"The Prison we broke"

- Dr. Archana Bhattacharjee

Influence of Western Culture on Indian Women

- Lakhya Pratim Nirmolia

"Women in the 'Kamasutra': A Study on their Progress in
the Society"

- Dr. Jayanta Baruah

"Women in the 'Kamasutra': A Study on their Progress in
the Society"

- Dr. Jayanta Baruah

Women in the 'Kamasutra'

- Dr. Jayanta Baruah

Emerging Echoes' : JOURNAL

Dr. Ruprekha Bordoloi
Editorial
Kakojan College
Jorhat, Assam



Dr. Nivedita Gogoi
Co-ordinator
NAAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in E-mail:kakojancollegeadm@gmail.com

INFLUENCE OF WESTERN CULTURE ON INDIAN WOMEN

Lakhya Pratim Nirmolia

Assistant Professor

Department of History

Kakojan College, Jorhat

Abstract:

Culture is like a river and we cannot check the changing concept of culture. Culture establishes a cordial relation between two civilizations or nations. India, one of the largest country of South East Asia has a rich culture. From ancient time Indian culture has been attracting the foreigners. The people of India, with the advancement of Science and Technology gradually became the followers of western culture. It is a very good symptom for Indian culture. But now a day, it is seen that some bad germs of western culture gradually assimilated with the age old Indian culture which is reflected in our society. Lots of multinational company, uses Indian women in their advertisement to sell their goods. Most of the multinational company place Indian women almost naked in their advertisement. It not only lowers their position and status but also has an adverse impact on our society. In this paper an attempt has been made to study how western culture has an adverse impact on the women of India.

Keywords: Women, Western Culture, Advertisement

Introduction:

Culture is a concept based on a term first used in classical antiquity by the Roman Orator Cicero, "Cultural Animi". This non agricultural use of the term 'Culture' reappeared in Modern Europe in the 17th century referring to the betterment for refinement of individuals, especially through education. During the 18th and 19th century it came to refer more frequently to common reference points of whole peoples and discussion of the term was often connected to national aspirations or ideals. Some scientists such as Edward Taylor used the term 'culture' to refer to a universal human capacity.

Hoebel describes culture as an integrated system of learned behaviour patterns which are characteristic of the members of a society and which are not a result of biological inheritance. Distinctions are currently made between the physical artefacts created by a society, it so called material culture, and everything else, the intangibles such as language, customs etc. that are the main referent of the term culture.

According to Intercultural Studies Project, "Culture is defined as the shared

Emerging Echoes' : JOURNAL



R. Bordoloi
Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Nibedita Gogoi
Dr. Nibedita Gogoi
Co-ordinator
- IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107

website: www.kakojancollege.edu.in

E-mail:kakojancollegeadmin@gmail.com

RESEARCH PAPER PUBLISHED (2017 – 2018)
(BORSHA RANI BORAH)



Established 50 Years
Journey

ISSN 2230-7443

Emerging Echoes'

Journal of Centre For Women's Studies
Kakojan College, Jorhat, Assam
Vol. VI, 2017



Postmodernist thought, among other things, has found its way into popular culture where so many of us are quick to acknowledge our own individual uniqueness. Sure, we are a wife, a mother, a sister, a daughter, a worker, and much more but we are still not quite like everyone else. This may work just fine in our personal lives, however the widespread acknowledgment of uniqueness has complicated 2nd wave feminist struggles for equality. When social change groups become divided, their capacity to challenge and change often falter. Certainly, popular liberal strategies for social liberation have been curtailed by the rightful suggestion that all women are not the same, need or want the same things, or define social equality in the same way.

Editors

Dr. Ruprekha Bordoloi
Dr. Archana Bhattacharjee

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi

Co-ordinator
IOAC

Kakojan College
Jorhat, Assam



**OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE**
Re-accredited B+ Grade by NAAC

PO & T.O. KAKOJAN, JORHAT, Assam-785 107
Website: www.kakojan.ugc.ac.in

Email: kakojancollege.admin@gmail.com

A Study on Some Medicinal Plants Used by the People - *Ashish Pratim Hazarika* 84
of Nukuram Area of Jorhat District with Special
Reference to Women Diseases.

Gender Division of Labour in Society and its Reality: A Sociological Study - *Borsharani Bora* 89

Marriage Systems of Mishing Tribe in Assam:
Changes and Continuity (A Study on two Mishing
Villages of Teok, Jorhat District of Assam) - *Minakshi Mili* 94

Witch-hunting: A Major Social Evil of Assam - *Rintirani Sarmah* 101
An Analysis on Role and Achievement of Girl Players
in the Field of Badminton in the District of Jorhat,
Assam - An Analytical Study - *Imamoni Gogoi* 105

Role of Women in the Freedom Struggle Movement
in Assam : An Analysis - *Jayashree Saikia* 113

Portrayal of Women in Mass Media: A Study - *Nizara Baruah* 117
Dilemma of Successful Women : A study of the
women characters of Caryl Churchill's Drama
Top Girls (Act I) - *Dibyajyoti Bora* 124

The Position of Women in the African Tribal Societies:
An Overview - *Angshumalee Dutta* 129

Role of Women in Rural Development under aegis of
NGO: A Sociological study - *A. K. Bhattacharjee* 133

মহিলা ক্ষেত্রে উন্নয়নের পথে
কৃষি ক্ষেত্র, সাধারণ সেবা এবং বিশ্বেন্দু
শিখন মুদ্রণ। - *ম' অঞ্জলি দাশ* 145

প্রাচীন জাতীয় প্রতিষ্ঠান স্থানের স্বীকৃত স্বীকৃত
স্বীকৃত স্বীকৃত স্বীকৃত স্বীকৃত স্বীকৃত
স্বীকৃত স্বীকৃত স্বীকৃত স্বীকৃত স্বীকৃত - *অধ্যাপক আর্য* 152

বৃক্ষগত উন্নয়ন, জমিক উন্নয়ন এবং উন্নয়ন
জমিক উন্নয়ন এবং উন্নয়ন - *অধ্যাপক আর্য* 158

নথী হাসপাতাল : জনসেবা সেবার পথে - *অধ্যাপক আর্য* 164

Emerging Echoes' JOURNAL

R. Bordoloi
Dr. Ruprekha Bordoloi
Principal
Kakojan College
Jorhat, Assam



N. Gogoi
Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

PO & TO KAKOJAN, JORHAT, ASSAM-785 107

website: www.kakojancollege.edu.in

E-mail:kakojancollege.edu.in@gmail.com

Gender Division of Labour in Society and its reality: A Sociological Study

Borsharani Bora

Assistant Professor

Department of Sociology
Kakojan College

ABSTRACT

The issue of gender division of labour in household level depends on the education and employment of its members. Though there are some changes in terms of gender division of labour, still it is dependent on the status of women. It is seen that gender division of labour at household level is still rigid among the non working women and their husbands. But at present women are not confined in household activity only. Although the participation is less as compared to the male, the encouraging scenario regarding this cannot be ignored.

Key word : gender, Division of labour, role.

Introduction:

Though men and women both are the inseparable part of society, women are always deprived or discriminated in all the spheres of society. Gender inequalities are noticed in health, education, economics, politics etc (Saini, Kaware, 2013). Women are considered subordinate to men according to the culture of the society. It is accepted that there is a feeling of physical superiority in men and a general feeling prevails that something is lacking in females, but they adopt the most satisfying experience of life having maternal pleasure. This is to say that the biological facts are not irrelevant or that men and women are not different, but the facts and differences creates superiority/inferiority between men

and women with the framework of culturally defined value system. Feeling of women body and its functions more involved in 'species of life', seem to place her closer to nature, in contrast to men' psychology which frees them completely to take up the projects of culture (Ortner, p.g:74). So most of the time men are associated with social, political, cultural, economic activities against women who are associated with child birth, breast feeding, menstruation which is considered as associated with nature although menstruation is stigmatized in society according to the cultural value of the society. However it comes from the biological nature of female. Women's association with children may compound her potential for being seen as closer to nature.

Emerging Echoes' : JOURNAL

89

R. Bordoloi
Dr. Ruprekh Bordoloi
Principal
Kakojan College
Jorhat, Assam



N. Gogoi
Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in E-mail:kakojancollegeadm@gmail.com

RESEARCH PAPER PUBLISHED (2017 – 2018)
(MINAKSHI MILI)

ISSN 2230-7443

Emerging Echoes'

Journal of Centre For Women's Studies
Kakojan College, Jorhat, Assam
Vol. VI, 2017

Postmodernist thought, among other things, has found its way into popular culture where so many of us are quick to acknowledge our own individual uniqueness. Sure, We are a wife, a mother, a sister, a daughter, a worker, and much more but we are still not quite like everyone else. This may work just fine in our personal lives, however the widespread acknowledgement of uniqueness has complicated 2nd wave feminist struggles for equality. When social change groups become divided, their capacity to challenge and change often falter. Certainly, popular liberal strategies for social liberation have been curtailed by the rightful suggestion that all women are not the same, need or want the same things, or define social equality in the same way.

Editors
Dr. Ruprekha Bordoloi
Dr. Archana Bhattacharjee

R.Bordoloi
Dr. Ruprekha Bordoloi
Principal
Kakojan College
Jorhat, Assam



N.G.
Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



**OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE**
Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

CONTENTS

- | | |
|---|----------------------------------|
| Role of ITC and Distance Education in Women's Life : A Situational Analysis of Present Day Scenario | - <i>Swastika Dutta</i> |
| An Analysis of Government Initiatives for Women Empowerment in India | - <i>Miss Runumi Das</i> |
| Gandhi's Views on Women Uplift | - <i>Rimky Kakoty</i> |
| Pandita Ramabai's Contribution to Women's Emancipation | - <i>Jutimala Hazarika</i> |
| Representation of Women in Media With special reference to Indian women | - <i>Ashima Ahmed Saikia</i> |
| Changing Trends of Portrayal of Woman in <i>Bollywood</i> | - <i>Amrita Devi</i> |
| Application of Manures and Chemical Fertilizers in Assam : A Study in Historical Perspective | - <i>Amrita Bora</i> |
| Emergence of Women Organisations in Colonial India : A Historical Analysis | - <i>Dipankar Mohan</i> |
| A Study of the Literacy Rate of Women in Katonibari Tea Estate of Jorhat District, Assam | - <i>Manash Protim Neog</i> |
| Utilization of Medicinal Plants by Various Tribes of India in Gynecological Disorders : An Overview | - <i>Babita Phukan Borkotoky</i> |
| Participation of Women in Education in India, Its Changing Nature and the Present Scenario | - <i>Borsha Rani Bora</i> |
| Alienation under Patriarchal Dominance : A Study of the Novel <i>Fire on the Mountain</i> | - <i>Dibyajyoti Boruah</i> |
| Role Conflict and Married Female College Teachers : A Sociological Study | - <i>Minakshi Mili</i> |

Emerging Echoes' : JOURNAL

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL

KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: ASSAM-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadmin@gmail.com

ROLE CONFLICT AND MARRIED FEMALE COLLEGE TEACHERS: A SOCIOLOGICAL STUDY

Minakshi Mili
Assistant Professor
Department of Sociology
Kakojan College

Abstract:

Woman is an integral part of our society. Because of industrialization, urbanization, education women started to work in various sector. Among the different professions teaching has been perceived as prestigious and attractive profession for women who aspire to join in economic gainful activity. But at the same time women are to give time and energy to their family roles. Teaching is regarded as good profession because they can optimally allocate time and energy to play their role in the family. In a society, an individual have to play so many roles. Role conflict arises among the married female teachers. The purpose of the study is to find out the findings of earlier studies related to married female college teachers carried out by different scholars. The data for the study are collected from the secondary source i.e. books and journals. Findings revealed that female married college teachers experienced significantly more role overload and stress as compared to their male counterpart. Therefore, a sociological study on married female college teachers is most significant for the society to overcome the problems they faced during working hour or at home.

Key Words: Role, Role Conflict, Teaching, Women etc.

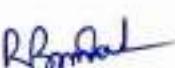
Introduction:

Woman is an integral part of our society. The status of our women has been considerably enhanced in the country during the post independence era. They are coming out of womb of traditional and custom-ridden society. Traditionally, women were expected to perform household duties and men took care of other outside work. It was just as undesirable for women to work outside home in order to earn money and man also didn't do domestic activities. Women should work if father/ husband was unable to earn due to illness, unemployment, old age and the income and the father/ husband was so meagre that it was difficult to make two ends meet.

In recent times due to growing interaction between industrialization, urbanization and want of material prosperity, women forces take active part in many occupation and profession. It leads to social progress and economic growth and national development besides supplementing the individual progress of women. The contribution of women to the country's

Emerging Echoes' : JOURNAL

72


Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam




Dr. Nibedita Gogoi
Co-ordinator
• IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE
Re-accredited **B+ Grade by NAAC**

PO & P.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollege@rediffmail.com

BOOK CHAPTERS PUBLISHED (2017 – 2018)
(KANON DEKA)

କାନୋ ଜାଗାନ୍ତିର
ଅଧ୍ୟାତ୍ମିକ ସଂପଦ

Dr. Ruprekha Bordoloi
Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



**OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE**
Re-accredited B+ Grade by NAAC

website: www.kakojancollege.edu.in

E-mail: kakojancollegeadmin@gmail.com

TIWA JANAGOSTHIR BHASHA-SAHITYA-SANSKRITI

*A collection of Articals Edited by Dr. Pankaj Kumar Deka & Printed at Perfect Image,
Rajgarh Road, Ghy-3*

First Edition: 6th January, 2015

Second Edition: October, 2017

Price Rs. 700.00

প্রথম প্রকাশ : ৬ জানুয়ারী, ২০১৫

দ্বিতীয় প্রকাশ : অক্টোবর, ২০১৭ (পরিবর্ধিত সংস্করণ)

মূল্য : ৭০০.০০ টাকা

বেতুপাত : কমল কৃষ্ণ শর্মা

প্রকাশক : অলিম্পিয়া প্রকাশন গ্রাহাটি-০

আম্যাজায় : ৯৮৬৪১-৫৫৭৮৮

সম্পাদকৰ আম্যাজায় : ৯৬১৩৬-৯৬০৪১

ISBN : 978-93-87035-11-9

মুদ্রক : প্লাবফেন্ট ইমেজার্চ,

বাজগাঁও রোড, মেহেউপথৰ বিপরীতে, গ্রাহাটি-০৩

ফোন : ৯৮৬৪১-৫৫৭৮৮, E-mail: perfect.imagers@gmail.com

সর্বস্মৃত সহৃদয়িত : সম্পাদকৰ লিখিত অনুমতি অবিহনে এই কিতাপৰ কোনো অংশই কোনো ধৰণৰ পুনৰ মুদ্রণ নাইবা কোনো যান্ত্ৰিক উপায়ৰে (গ্রাফিক, ইলেক্ট্ৰনিক বা আন কোনো মাধ্যম, ফটোকলি, টেল বা পুনৰুজ্জীবনৰ সুযোগ সাধিত তথ্য সংপ্ৰদয় কৰি ৰখাৰ পক্ষতি অতিলিপি কৰিব পৰা নাযাব ।) এই স্বত উলংঘিত হ'লে উপযুক্ত আইনী ব্যৱস্থা গ্ৰহণ কৰা হ'ব ।

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Nibedita Gogoi
Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



**OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE**
Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, ASSAM-785 107
website: www.kakojancollege.edu.in

E-mail: kakojancollege.edu@gmail.com

ঃ সূচীপত্র ঃ

- ভূমিকা / ১০

ভাষা

- তিবা ভাষার গঠন আৰু বিকাশৰ ধাৰা — মনেশ্বৰ দেউৰী/ ২৯
- তিবা (লালুং) ভাষা — ড° উপেন বাতা হাকাচাম/ ৫৫
- তিবা ভাষার উক্তপ — বিদ্যারাম পাটৰ/ ৫৯

সাহিত্য

- তিবা সমাজৰ সংগীত — মুকুলীধৰ দাস/ ৭৯
- তিবা সকলৰ পৰিচয় আৰু লোক-সাহিত্য — ড° অঞ্জমান দাস/ ৯৫
- তিবা ভাষার লিখিত সাহিত্য : এটি বৰ্ণনামূলক অধ্যয়ন
— ড° জ্যোতিৰেখা হাজৰিকা/ ১১০

- ✓ তিবাসকলৰ মাজত প্ৰচলিত গীত : এটি বিশ্লেষণাত্মক অধ্যয়ন
— কানন ডেকা/ ১২০

সংক্ষিপ্ত

- নৃগোষ্ঠীসমূহৰ প্ৰজন্ম আৰু লালুং জাতি
— বিবিক্ষিত বুড়াগোহাও/ ১৩৭
- ঐয়ামৰ তিবাসকলৰ সমাজব্যবস্থা আৰু বীণি-নীতি
— বলহিকাম সেনাপতি/ ১৫০
- সংক্ষিপ্ত কপত লালুং ইতিহাসৰ অবহেলিত দিশটো
— ড° হ্যাতেম আলী/ ১৬৩
- তিবা সমাজৰ লোক-উৎসব — নাদিৰাম দেউৰী/ ১৮৮
- তিবাসকলৰ ধৰ্মবিশ্বাস — তুলসী বৰদালৈ/ ২০২
- পাৰম্পৰিক শ্রাম্য চিকিৎসা আৰু তিবা সমাজ
— মনেশ্বৰ দেউৰী/ ২৪৭

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107

website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

তিৰা সকলৰ মাজত প্ৰচলিত গীত : এটি বিশ্লেষণাত্মক অধ্যয়ন

কানন ডেকা

মধ্য অসমৰ এক বিশিষ্ট জনগোষ্ঠী তিৰাসকল অঙ্গোলয়দ প্ৰজাতিৰ তিৰ্কৰ্তব্যৰ্থী ভাৰা পৰিয়ালৰ বৃহৎ বড়ো শাখাৰ অন্যতম অংশ। তিৰা জনগোষ্ঠীৰ সৃষ্টিৰ সম্পর্কে প্ৰায় পৌচটা জনশ্রুতি আছে। পুৰাণত বৰ্ণিত আছে যে ভগৱান শিবই লালুং আৰু জয়ন্তা দেৱীৰ (দুৰ্গা) মিলনৰ ফলত তিনি কল্যাৰ জন্ম হয়। এই তিনি কল্যাৰ পৰাই তিনি জাতি কাৰ্বি, বড়ো, কাঞ্জুৰী আৰু লালুং জাতিৰ সৃষ্টি হয়। তিৰা সকলৰ বিষয়ে বিজ্ঞত তথ্য বুৰুজীত পোৱা নাযায়। জনশ্রুতিৰ আধাৰতে নিৰ্ণয় কৰিবলগীয়া হয়। স্বৰ্গীয় গুণাভিবাম বৰুৱাই তিৰা সকলক অসমৰ আদিম অধিবাসী বুলি অভিহিত কৰিছে।

মধ্য অসমৰ তিৰা সকল এসময়ত স্বাধীন ৰাজ্যৰ অধিকাৰী আছিল। জয়ন্তীয়া আৰু গোভা তেওঁলোকৰ স্বাধীন ৰাজ্য আছিল। জয়ন্তীয়া ৰাজ্যৰ মিত্ৰ ৰাজ্য আছিল নেলী, খোলা আৰু চহৰী। গোভা ৰাজ্যৰ অধীনত দুটা ফৈদৰ বাৰখন সকল ৰাজ্য আছিল। এটা ফৈদত সাতজন আৰু এটাত পৌচজন বজা আছিল। এওঁলোকেই সাতোৰজা আৰুপাঁচোৰজা নামেৰে বিশ্বাত হৈছিল। বুৰুজীত উল্লেখ আছে উত্তৰে অশাপুজ, পশ্চিমে ডিমৰীয়া ৰাজ্য, দক্ষিণে বৰআমলি আৰু খাগবিজান জিলাৰ পুৰুলৈকে তিৰা সকলৰ বসতিষ্ঠল আছিল। অৰ্তীতৰ এই ভূখণ বৰ্তমান নগীও, মৰিগীও আৰু কাৰ্বি আংলকৰ কিছু অংশ সামৰি লয়। বৰ্তমানে তিৰা সকলৰ ঘাই বসতিষ্ঠল উপৰোক্ত তিনিখন জিলা। এই কেইখন স্থানৰ উপৰিও কামৰূপ দক্ষিণপুৰ অঞ্চল, উত্তৰ লক্ষ্মপুৰ জিলাৰ পুৰ অঞ্চলৰ কেইখনমান গাঁও আৰু মেঘালয়ৰ কিছুমান অঞ্চলত তিৰা সকলৰ বসতি আছে।

তিৰা জনগোষ্ঠীৰ ভাৰা-সাহিত্য-সংস্কৃতি // ১২৩

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
- IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE
Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, ASSAM-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

BOOK EDITED (2017 – 2018)
(LAKHYA PROTIM NIRMOLIA & MRIDULA NEOG)

ILLUMINATION

A Multidisciplinary Book on
Science and Humanities



Editors:
Mridula Neog
Lakhya Pratim Nirmolia

The Research Wing:
A Research Forum of Chemistry and History Department
Kakojan College, Jorhat, Assam (India)

R. Bordoloi
Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



N. Gogoi

Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, ASSAM-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com



ILLUMINATION 2

ILLUMINATION

ILLUMINATION : (Science and Humanities) Published on behalf of
The Research Wings' -A Research Forum, of Chemistry and History
Department by **SABDA PRAKASH**, Thana Road, Jorhat-1

Editors :

Meidula Neog

Lakhiya Pratim Nirmolia

Members :

Jayashree Saikia

Sarmistha Goswami

Dr. Partha Pratim Baruah

Utpal Sadhonider

Dr. Siddhartha Kr. Bhorodwaj

Advisory Board :

Dr. Ruprekha Bordoloi

Principal, Kakojan College, Jorhat

Dr. Raju Baruah

Vice-Principal, Kakojan College, Jorhat

Academy Vice

Dr. Archana Bhattacharjee,

H.O.D. and Associate Professor,

Department of English,

Kakojan College, Jorhat

Published by :

SABDA PRAKASH,

Thana Road, Jorhat-1, on behalf of The Research
Wing, Kakojan College Research Forum

Address :

The Research Wing, Kakojan College

Kakojan, Jorhat- 785107, Assam, India

Contact NO : +919854055331(M), +919435993315(M)

First Edition- 2018, 10th January

Price- Rs.100/- only.

ISBN- 978-81-924366-2-3

Printed at :

SABDA PRAKASH, Thana Road, Jorhat-1.

mobile : 9854354802

Cover Design & Layout : Ranjit Gogoi

R. Bordoloi
Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



N. Gogoi
Dr. Nibedita Gogoi

Co-ordinator
IQAC
Kakojan College
Jorhat, Assam

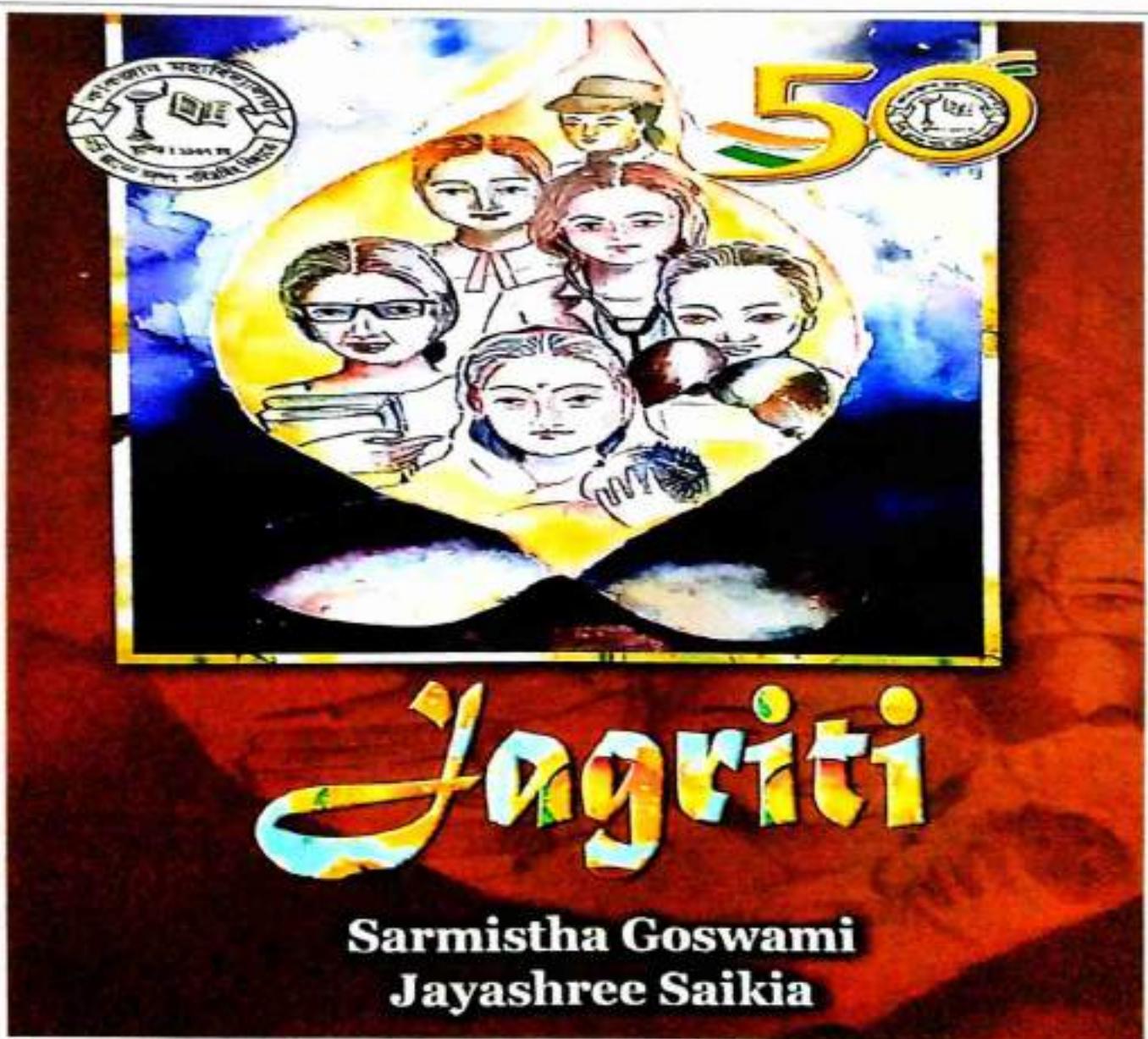


OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE
Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadmin@gmail.com

BOOK EDITED (2017 – 2018)
(SARMISTHA GOSWAMI & JAYASHREE SAIKIA)



R. Bordoloi
Dr. Ruprekha Bordoloi
Principal
Kakojan College
Jorhat, Assam



N. Gogoi
Dr. Nibedita Gogoi
Co-ordinator
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in E-mail:kakojancollegeadmin@gmail.com

Jagriti / 2



Jagriti

A collection of articles edited by Sarmistha Goswami, Co-ordinator,
Centre for Women's Studies and Jayashree Saikia, Assistant
Professor (*Dept. of History*), Kakojan College, Jorhat, Assam
and published by Ranjit gogoi on behalf of SABDA PRAKASH,

Thana Road, Jorhat-1, Assam
ranjit_jrt@rediffmail.com
ranjitgogoi14@gmail.com

First Edition- June, 2017
Price - Rs.300/-only.

• Sarmistha Goswami
Jayashree Saikia

printed at :

SABDA PRAKASH,
Thana Road, Jorhat-1.
mobile : 9854354802

cover design : Bobita Borkotoky
Layout : ranjit gogoi

ISBN-978-81-924366-0-9

R.P.B.

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



N.G.

Dr. Nibedita Gogoi

Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



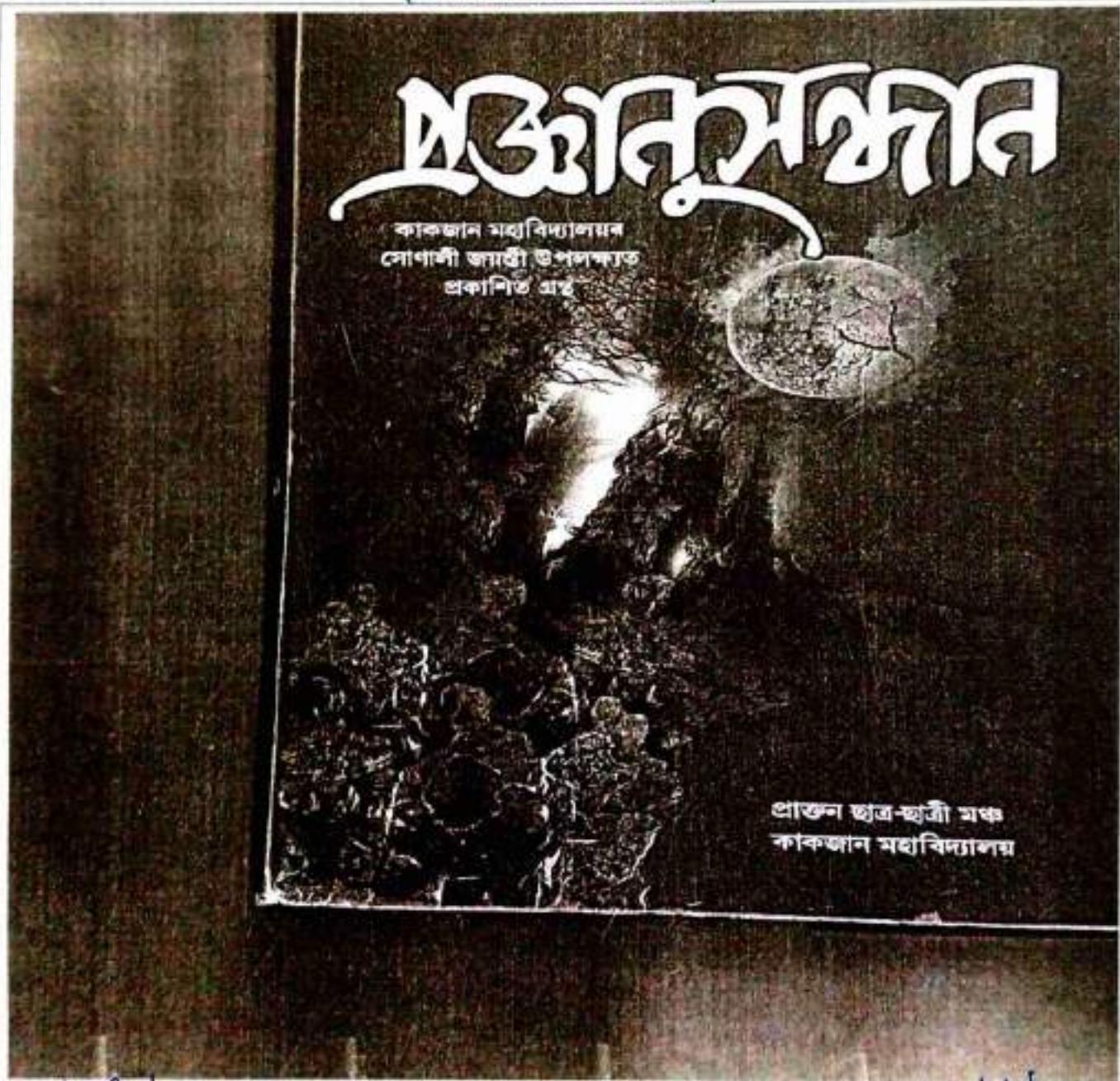
OFFICE OF THE PRINCIPAL KAKOJAN COLLEGE

Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT: Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadmin@gmail.com

BOOK CHAPTERS PUBLISHED (2017 – 2018) (JINUMONI SAIKIA)



Dr. Ruprekha Bordoloi

Principal
Kakojan College
Jorhat, Assam



Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE
Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
 website: www.kakojancollege.edu.in

E-mail: kakojancollege@gmail.com

PRAGYANUSANDHAN :

A collection of research papers and articles on sociocultural and ethnic issues of Assam, edited by **Apurba Kr. Borah** and **Manabjyoti Bordoloi**, published by Alumni Association, Kakojan College, distributed by **BEDAKANTHA**, A.T. Road, Pulibor (Pragati Motors Campus), Jorhat - 785006.

First published 10th January, 2018

ISBN : 978-93-82931-97-3

প্ৰজ্ঞাননুসংকানন

সম্পাদনা সমিতি

উপদেষ্টা মণ্ডলী :

ড" কল্পবেণু বৰদলৈ	ড" বাজেন বৰা
অজিত কুমাৰ বৰদলৈ	কলিমা বৰলা
প্ৰতিষ্ঠা বৰুৱা	

সভাপতি :

হিমেন ভট্টাচাৰ্য

সম্পাদকসভা :

অপূর্ব কুমাৰ বৰা	মানবজ্যোতি বৰদলৈ
------------------	------------------

সদস্য :

ড" পংকজ গোৱামী	ড" অনন্ত তামুলী
জিনুয়লি শইকীয়া	বামপ্ৰসাদ মুকুল
নুৰুল ইহলাম	অমৰজ্যোতি শইকীয়া
বিশ্বজ্যোতি কলিতা	

মূল্য : ৩০০ টকা।

প্ৰকাশক : প্ৰাক্তন ছাৰ্জ-ছাৰ্জী মধ্য, কাকজান মহাবিদ্যালয়

পৰিবেশক : বেদকঞ্জ, এ.টি. বোড, পুলিবৰ (প্ৰগতি মটৰচ কেম্পাছ),
খোৰহাট - ৭৮৫০০৬

বেটুপাত অলংকৰণ : দেবৰত মহন্ত, লিপি অফিসেট, খোৰহাট

মুদ্রণ : নিটি অফিসেট প্ৰিণ্টার্জ, কাকজান

Dr. Ruprekha Bordoloi

Principal
Kakojan College
Assam, India



Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam



**OFFICE OF THE PRINCIPAL
KAKOJAN COLLEGE**
Re-accredited B+ Grade by NAAC

P.O. & T.O. KAKOJAN, JORHAT, Assam-785 107
website: www.kakojancollege.edu.in

E-mail:kakojancollegeadm@gmail.com

সময়ৰ বিৰত্নত অসমৰ হস্ততাঁত শিল্প

জিনুমণি শহীকীয়া

অসমীয়া জাতিৰ ‘বাপতি সাহোন’ বুলিলে কৃষিৰ পিছতে সততে মনলৈ
অহা অসমৰ গৌৰবময় ঐতিহ্যৰ অন্যতম অঙ্গ অসমীয়া শিল্পনীয়ে নিপুণ হাতেৰে
গঠি তোলা হস্ততাঁত শিল্পৰ কথাই মনলৈ আছে। ইতিহাসে চুকি নোপোৱা সময়ৰে
পৰা অসমে যে তাঁতশিল্পৰ ক্ষেত্ৰত এক অতি গুৰুত্বপূৰ্ণ স্থান দখল কৰি আহিছে তাৰ
প্ৰমাণ আহোম বাজতৰ ডা.-ডাঙুৰীয়াসকলৰ মিলৰে পৰা চলি অহা বিভিন্ন কার্য্য
ক্রমনিক্যাৰ পৰাই পৰিষ্কৃট হয়। সন্তুষ্ম শক্তিকাত কুমাৰ ভাসুৰ বৰ্মলৈ মগধৰ সভাতি
হৰ্ষবৰ্ধনলৈ উপহাৰ হককপে পঠোৱা বগা পাটৰ কাপোৰেৰে বোৱা বৰুণ ছৰ, বাতিৰ
ভিতৰতে কপাহ নেওঁটি, সূতা কাটি ‘কৰচ কাপোৰ’ বৈ উলিয়াই প্ৰিয়জনক যুক্তলৈ
পঠোৱা, অসমীয়া জাতিৰ প্ৰাণ প্ৰতিষ্ঠাতা অগত্যক শ্ৰীমত শংকৰদেৱেৰ তাঁত শিল্পৰ
জৰিয়তে ‘চিহ্নযাত্ৰা’ নাট প্ৰদৰ্শন কৰা, জাতিৰ পিতা মহামানৰ মহাআশা গাঁকীয়ে অসমৰ
শিল্পনীয়ে তাঁতশালত সপোন বটিৰ পাৰে বুলি কৰা প্ৰশংসন অসমৰ শিল্পনীৰ
গৌৰবৰোজ্জুল অভিতকে সৌৰৱাই দিয়ে। আনহাতে মধ্য যুগৰ অসমত বয়ন শিল্পই
পাহাৰ তৈয়াৰৰ সকলো সম্প্ৰদায়ৰ মাজত এক চমকপ্ৰদ সাফল্য লাভ কৰিছিল।
অসমীয়া শিল্পনীয়ে কপাহ, পলু আৰু গছৰ পৰা সূতা প্ৰস্তুত কৰি অন্তৰ্ভুন বৈচিত্ৰ্যাপূৰ্ণ
কাপোৰ তৈয়াৰ কৰিছিল। এই পাট পলু পোহা, পাট সূতা কটা আৰু পাটৰ কাপোৰ
বোৱা সংস্কৃতি চীনৰ পৰা অসমেনি ভাৰতবৰ্ষলৈ আহিছিল বুলি কথিত আছে। আনকি
কোটিলাৰ অৰ্থশাস্ত্ৰতো অসমৰ বেচম শিল্পৰ বৰ্ণনা পোৱা যায়। প্ৰাচীন অসমত
উৎপাদন কৰা এড়ি মুগা আৰু পাটৰ কাপোৰ অতি উৎকৃষ্টমানৰ আছিল।

অসমৰ প্ৰাম্য জীবনত তাঁতশালৰ গুৰুত্ব অসীম। অসমীয়া সংস্কৃতিৰ বিৰল
চানেকী তাঁতশালখন যেন অসমীয়া জাতিৰ প্ৰতিবিম্বনকল। সেই সময়ত অসমত
এনেকুৰো এখন ঘৰ নাছিল, যাৰ ঘৰত তাঁতশাল নাছিল। অসমীয়া জনসমাজত বিহৰ
পৰা আৰম্ভ কৰি বিয়া-বাকলৈকে বিভিন্ন মাংগলিক অনুষ্ঠানত গামোছ, চেলেং কাপোৰ
প্ৰজননসম্বান।। ২১৬।।

Dr. Ruprekha Bordoloi
Principal
Kakojan College
Jorhat, Assam

Dr. Nibedita Gogoi
Co-ordinator
IQAC
Kakojan College
Jorhat, Assam

