

*National Seminar on*  
**"Chemistry of Minerals and Metallurgy in  
India Through Ages"**

**05 August, 2024**

***Sponsored by***



**Indian Council of Historical Research, New Delhi**

***Organized by***



**Department of Chemistry**

**Madhab Choudhury College, Barpeta, Assam – 781301**

Website: [www.mccollege.edu.in](http://www.mccollege.edu.in)



## About the Seminar

The National Education Policy (NEP) 2020 has set forth a transformative vision for higher education in India, emphasizing the integration of Indian Knowledge Systems (IKS) into the curriculum. To realize this vision, it is crucial to equip faculty members and other practitioners with a deeper understanding and appreciation of India's rich ancient knowledge and philosophy. This one-day National Seminar is structured around five subthemes, each focusing on a significant aspect of ancient Indian chemistry of minerals and metallurgy:

- ***Contribution of India to Chemistry***: This subtheme will provide an overview of the contributions made by ancient, medieval and modern Indians in the field of chemistry and metallurgy. In the modern era, contribution of Prafulla Chandra Ray, Radhikaram Dhekial Phookan and others may be highlighted.
- ***Indian Metallurgical Heritage***: Focusing on the six metals mentioned in Vedic texts and their processing techniques, this subtheme will elucidate the constant evolution of Indian metallurgical knowledge. It will explore the incorporation of additional metals like mercury and zinc in later periods.
- ***Chemistry of Colors Through Ages***: Examining the chemistry of dyes, pigments, and coloring materials used in various forms of art and daily life, this subtheme will trace the evolution of color chemistry over time. It will highlight the techniques employed in different periods and their significance in cultural expressions.
- ***Chemistry in Ayurveda***: This subtheme will delve into the chemistry present in Ayurvedic texts and its application in practice. studies on the preparation, quality control, and delivery of herbo-mineral drugs, highlighting the blend of chemistry and ancient medical systems.
- ***Ancient Texts in Chemistry and Metallurgy***: Introducing some select original texts such as Rasārṇava and Rasaratnasamuccaya, this subtheme will explore the writing style and content of ancient texts in chemistry and metallurgy.

## **About the college**

Madhab Choudhury College (M. C. College), Barpeta, the fourth oldest college in undivided Assam, was established on 14<sup>th</sup> July in the year 1939. Since then, M. C. college has been undergoing a relentless process of growth. Born as an Arts college, M. C. College introduced its Science stream in 1959. After 80 years of its glorious existence, the college has become the hub for educational excellence, fostering its vision and mission in tune with the objectives of Higher Education of the nation. The College offers UG courses in Humanities, Social science and Science subjects and PG programmes in Botany and Assamese. M. C. College is located at the heart of "Satra Nagari" Barpeta, the Headquarters of the District of Barpeta, a city with a rich cultural heritage and a glorious historical background. It is nearly 95 km from Guwahati and is well connected to the rest of Assam by road and railways.



### **Madhab Choudhury College Location**

**<https://maps.app.goo.gl/G6nCH1AHPVnQbGRj8>**

## **Distinguished Speakers**

- Prof. Ramesh Ch. Deka, Vice Chancellor, Cotton University, Assam.
- Prof. Anup Kumar Talukdar, Department of Chemistry, Gauhati University, Assam.
- Dr. Sabyasachi Chatterjee, Department of History, University of Kalyani, West Bengal.
- Dr. Lakhya Jyoti Borthakur, Department of Chemistry, Nowgong College (Autonomous), Assam.

## **Call For Papers and Abstracts**

We invite faculty members, researchers and practitioners to submit abstracts and full papers covering any of the aforementioned sub-themes for this seminar.

## **Submission Guidelines**

### ***Abstract Submission:***

- Word Limit – 300 words (Excluding Title and Author's details)
- Font – Times New Roman
- Font Size – 12 pts for Body; 14 pts and bold for Title; 12 pts and italics for Author's name.
- Line spacing – 1.5
- Subtheme of Abstract – Should be mentioned on top of the page.
- Title – Should be brief and indicative of the work done.
- Name of the Author(s) – Full name of all the authors should be given with affiliation and address of the Institute. Name of the presenting author should be underlined. Presenting author must be a registered participant of the conference.
- Name of the corresponding author(s) must be indicated with an asterisk. E-mail Id of the corresponding author(s) must be mentioned along with affiliation.
- Reference- In APA format

### ***Full Paper Submission:***

- All papers that are submitted must be original, unpublished, and not currently under review by any journal or for any other conference.
- Length: The paper must be within maximum of 15 pages of A4 size with spacing of 1.5
- Format: Times New Roman, 12-point font, 1.5-line spaced
- Structure: The full paper may be structured with the sections: Abstract (Maximum 125 words), Keywords: 5-6 numbers, Introduction, Methodology, Discussion, Conclusion, Acknowledgment and References (in APA format).

- References should be in Superscript format in the main text.
- Abstracts and full papers should be sent to [chemdeptmcc@gmail.com](mailto:chemdeptmcc@gmail.com)
- The submitted abstracts will be chosen for either oral or poster presentation by the screening committee. The decision will be communicated to the participants.
- Size of the poster must not be larger than 3 ft (length) x 2.5 ft (width).

### **Publication of Proceedings**

Selected papers will be published in an edited book, providing a platform to share your research with a broader audience.

### **Registration details**

- Scan the QR code or click the link below for registration:



<https://forms.gle/b4Vudh8HPD38jNLg6>

- Last date of registration is 28<sup>th</sup> July, 2024.
- Registration Fee (Non-refundable):
  - Students: Rs. 200/- only
  - Ph.D. Research Scholar: Rs. 300/- only
  - Faculty/Others: Rs. 500/- only
- Bank Details for Registration Fee Deposit (online payments only):
  - Account Name: PRINCIPAL M.C. COLLEGE HS ZONE
  - Account No.: 671042010039547
  - Name of the Bank: The Assam Co-operative Apex Bank Ltd., Barpeta Branch
  - IFSC: HDFCOCACABL
- *N.B.:* Participants may register offline on the day of seminar also.
- Please join the WhatsApp Group with the following link after registration:

<https://chat.whatsapp.com/HRdTCGAhFd7D1etujEQvA8>

### **Accommodation**

The participants should arrange accommodation as per their convenience. However, the Organizing Committee can arrange accommodation on receiving request but the participant has to pay the fares.

## Important dates

- **Registration deadline: 28-07-2024**
- **Abstract Submission Deadline: 28-07-2024**
- **Notification of Acceptance: 31-07-2024**
- **Full Paper Submission Deadline: 02-08-2024**

## Organizing Committee

**Patron:** Dr. Prakash Sarma, Principal, Madhab Choudhury College, Barpeta

**Coordinator:** Dr. Sameeran Kumar Das, Assistant Professor, Department of Chemistry

**Working president:** Dr. Hitesh Das, Head of the Department of Chemistry

**Members:** Dr. Dipanjali Pathak

Dr. Sanjib Deuri

Abdur Rezzak Ali

Dr. Nibedita Gogoi

Dr. Rashmi Jyoti Das

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