NATIONAL SEMINAR ON

SCIENCE FOR SUSTAINABLE DEVELOPMENT (SSD)-2025

Date: 29 & 30 January, 2025

Website: https://ssd.bborooahcollege.ac.in/

Hosted and Organized by

Department of Chemistry
B. Borooah College,
(An Autonomous College Under UGC)
Dr. B. Baruah Road, Ulubari,
Guwahati-781007, Assam
Website: www.bborooahcollege.ac.in
(NAAC accredited with 'A^{++}' Grade)

In Association with

Pollution Control Board, Govt. of Assam
Assam Science Technology and Environment Council, Govt. of Assam
Assam Science Society
&
Advanced level institutional Biotech Hub, B. Borooah College funded by the Department of Biotechnology, Government of India

About The Seminar

According to 'World Commission on Environment and Development', Sustainable development has been defined as "development that meet the needs of the present without compromising the ability of future generations to meet their own needs". It has emerged as the guiding principle for long-term global development and seeks to achieve, in a balanced manner, economic, social development and environmental protection.

The 2030 Agenda for Sustainable Development was adopted by all United Nations Members States in 2015. It provides a shared blueprint for peace and prosperity for people and the planet, in the present and into the future. 17 Sustainable Development Goals (SDGs) have been set and these can materialize if there is global partnership. The emphasis is on ending poverty, improve health and education, reduce inequality and spur economic growth but at the same time preserving the environmental ecosystem.

To meet the goals set for sustainable development is the greatest challenge for the scientific community. Increasing scientific progress has been often at the cost of sustainable development in terms of affecting the human health, environment, etc. Scientific Research in all branches of science viz. Chemistry, Zoology, Botany, Geography, Agriculture, Computer Science, Engineering and Medical has to move in a direction which adheres to sustainable development.

The seminar aims to provide a platform for the scientific community to share, nurture and deliberate on achieving progress in science keeping in tune with sustainable development.

Scientific Topics to be covered

- Energy (new developments in battery materials, super-capacitors, solar cell, fuel cell, etc.)
- Health (new developments in naturally inspired drug design, exploration of herbal medicine with special reference to NE region, etc.)
- Green Chemistry
- Environment and Sustainability
- Biomaterials
- Agriculture and Food Technology

About the Host

B. Borooah College was established in the year 1943 in the name of Bholanath Borooah, a doyen of Assam's business world and a close associate of Sahityarathi Lakshminath Bezbarua. Bharat Ratna Gopinath Bordoloi, the First Chief Minister of Assam was the founder Principal, and the First President of the College Governing Body. The college grew under the shadow of World War II as a national struggle against foreign rule. Bordoloi, along with some nationalist leaders and educationists of Assam decided to open a college at Guwahati and thus the journey of B. Borooah College Started.

The College has completed 82 years of glorious service to higher education. The College since its inception has been playing a leading role in the preservation of art and culture and in the development of a research, analytic and scientific mind in its students and its faculty. At present the College offers courses in H.S. (Science), H.S. (Arts), H.S. (Commerce), B.A., B.Sc., B.B.A., B.Sc.(IT) and M. Sc. Moreover, it also offers PhD program.

At present, the college caters to more than 4000 students while serving the entire North Eastern region with students from all the neighboring states flocking to take admission.

The college has made rapid strides over the years as evident from the fact that in September 2023 the college has been awarded Grade **'A^{++}'** by NAAC. Further, the college has been granted autonomous status by UGC in 2024.

About the Department

The Chemistry department was started in 1964 and at present offers HS, BSc (general), BSc (Major), MSc courses apart from PhD. The department has also been awarded *DST-FIST* Level I grant. It is an important component of the DBT Star College scheme. Along with the regular academic activities, the faculties of the Department are undertaking research activities. *DST-SERB, UGC, ARIAS, RIDF* funded research project and consultancy project have been carried out in the department. The alumni of the department, benchmark of the quality of the education rendered, are occupying prestigious position not only within the nation but also abroad.

How to reach?

By Air: B. Borooah College is located about 24 km from Lokpriya Gopinath Bordoloi International Airport and takes about 60 min drive from airport

By Train: The nearest station is Guwahati Railway Station which is located in the Paltan Bazaar area of the city, about 2 km away from B. Borooah College. It is connected to all major stations in India.

Organizing Committee

Advisors: Dr. Ramesh Ch. Deka, Vice Chancellor, Cotton University
Dr. Arup Kumar Misra, Chairman, Pollution Control Board, Assam
Dr. Jaideep Baruah, Director, Assam Science Technology and Environment Council
Dr. Dhireswar Kalita, President, Assam Science Society
Dr. Tripti Thakuria, Former Head, Dept. of Chemistry, B. Borooah College
Dr. Sutopa Raichaudhury, Former Head, Dept. of Chemistry, B. Borooah College
Dr. Anup Kumar Talukdar, Professor & Head, Dept. of Chemistry, Gauhati University
Dr. Biplab Mandal, Professor, Dept. of Chemistry, IIT Guwahati

President: Dr. Satyendra Nath Barman
Working President: Dr. Bijoy Sankar Goswami
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Convener: Dr. Pradyumna Mazumdar
Co-Conveners: Dr. Apurba Kalita
Dr. Abhilash Sharma
Mr. Shyamal Kar
Dr. Hrishikesh Sarma

Treasurer: Dr. Anupal Gogoi
Auditor: Mr. Gagan Deka

Important Dates

Abstract Submission Starting Date:	**January 5, 2025**
Abstract Submission Deadline:	**January 15, 2025**
Registration Deadline:	**January 20, 2025**
Seminar Date:	**Date: 29 & 30 January 2025**

Registration Fee

Faculty/Scientist	**Rs. 1500/-**
Research students/Post Docs.	**Rs. 1000/-**
Accompanying person	**Rs. 700/-**
Industry	**Rs. 2500/-**

Guidelines of Abstract Preparation for SSD 2025

For the preparation of the abstract, speakers and poster presenters are requested to use single-spaced in A4 sized paper (21 cm x 29.7 cm) with 1.1 inch margins on all sides of the page.

TITLE (Times new Roman-font size 14-Bold-single space-centered)

Author name (s) (Times new Roman-font size 12-normal, presenting author, other author(s) and corresponding author*-single space-centered)

Affiliation (Times new Roman-font size 10-italic, single space centered)

E-mail of corresponding author (Times new Roman-font size 10- normal)

Abstract Body

The one-page abstract should be typed in single space, 10 pt, Times New Roman, normal font. Use A4 size paper with 1.1 inch margins at all sides. Cite the reference in parentheses in the text.[1] References should be typed in font size 10, and single spaced. The entire abstract including text, figures, equations, structures, schemes and references must be sent as a MS-WORD DOC/DOCX file.

References (10 pt, Bold-font)

[1] A. Sharma, H. Hazarika, M. Sarmah, B. Das, P. Gogoi, *J. Org. Chem.* **2020**, *85*, 11382. [font size 10]

Call for Abstract

For registration and submission of abstract please visit our website

https://ssd.bborooahcollege.ac.in/

The last date for submitting the abstracts is **January 15, 2025**.

For registration please scan

For login and abstract submission please scan

Contact:

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