

## Registration Form

1.	Name (In Block Letter)	
2.	Designation	
3.	Organization	
4.	Address for correspondence	
5.	Mobile No.	
6.	Email :	
7.	Title of the Abstract (If submitted)	
8.	Section of Abstract (Please tick) <input type="checkbox"/> 1. Green Technology <input type="checkbox"/> 2. Climate Change <input type="checkbox"/> 3. Energy <input type="checkbox"/> 4. Health <input type="checkbox"/> 5. Technology for rural development <input type="checkbox"/> 6. Environment and Sustainability <input type="checkbox"/> 7. Biomaterials <input type="checkbox"/> 8. Agriculture and Food Technology <input type="checkbox"/> 9. Nanotechnology <input type="checkbox"/> 10. Biodiversity <input type="checkbox"/> 11. Pisciculture <input type="checkbox"/> 12. Sericulture <input type="checkbox"/> 13. Physical science <input type="checkbox"/> 14. Mathematical Science	
9.	Mode of Seminar <input type="checkbox"/> 1. Offline <input type="checkbox"/> 2. Online	
10.	I would like to register in the conference as (please tick) <input type="checkbox"/> 1. Faculty <input type="checkbox"/> 2. Academician <input type="checkbox"/> 3. Research Scholar <input type="checkbox"/> 4. Students <input type="checkbox"/> 5. Accompanying Person <input type="checkbox"/> 6. Industrial Person	
11.	Details of Registration Fee (DD/Cheque/NEET)	
	DD/Cheque No.	Date      Rs.
	Online Payment details	Transaction No.

Signature .....

Date .....

### Bank Account Details:

**A/C Name: "Seminar on Science For Sustainable Development, B. Borooh College"**

**Bank : The Assam Co-operative Apex Bank Ltd.**

**A/C No. : 101042010038603**

**IFSC : HDFC0CACABL**

[Completely filled registration form along with payment receipt (NEFT receipt scanned copy of DD or A/C payee Cheque) must]

## Important Dates

Pre-submission of abstract and registration:

**8<sup>th</sup> March, 2022**

Abstract (for poster/oral) Submission Deadline :

**15<sup>th</sup> March, 2022**

Registration Deadline :

**21<sup>st</sup> March, 2022**

## Registration Fee

Faculty / Scientist	:	Rs. 1000/-
Research Students / Post Docs.	:	Rs. 750/-
Accompanying Person	:	Rs. 500/-
Industry	:	Rs. 2000/-

## Guidelines of Abstract Preparation

The abstract should be submitted via email ([assbbc22@gmail.com](mailto:assbbc22@gmail.com)) as an attached file by March 15<sup>th</sup>, 2022. The abstract should be written in English and be submitted in MS Word format. An abstract should include a title, the information of authors and affiliations, the e-mail address of corresponding author, and the main text with figures/tables. The name of the presenting author should be underlined. Throughout the abstract, use Times New Roman font with single spacing between lines. The recommended font size is 14 pts for the title and 11 pts elsewhere. The main text should be justified and Plagiarism checks will be strictly less than 20%.

## Contact

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Convener

National Seminar-2022

66th Annual Technical Session

Assam Science Society

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**Dr. Rajlakhmi Devi**

Joint Convener

66th Annual Technical Session

Assam Science Society

Phone : 9706033567



# 66<sup>th</sup> ANNUAL TECHNICAL SESSION OF ASSAM SCIENCE SOCIETY- 2022

**Date : 24-03-2022**

## National Seminar

on

**"Emerging Priorities in Science and Technology  
with Special Focus on Rural and Green Technology"**



*Hosted and Organized by*



**B. Borooh College**

Dr. B. Baruah Road, Ulubari, Guwahati-781007, Assam

(NAAC accredited with 'A' Grade)

College Website : [www.bboroohcollege.ac.in](http://www.bboroohcollege.ac.in)

## About Assam Science Society

Assam Science Society is a voluntary organization established as "Gauhati Science Society" in the year 1953 and subsequently renamed as "Assam Science Society" in the year 1956 to encompass entire state of Assam to cater its humble service by developing scientific temperament and also to create an environment for scientific research. The official Address is

Khanapara, Jawahar Nagar, Guwahati 781022, Assam

Phone : +91 361 2363258

E\_mail : gsass2014@gmail.com

Website : <https://assamsocietysociety.in/>

The Society has 100 branches all over Assam including one of its branches at Tikrikila in Garo Hills, Meghalaya. The Society enrolled about 6500 (Six Thousand five Hundred) life members and is probably one of the largest scientific society of India.

### National and State Recognition

- ❖ Recognized as a corroborating agency by Indian National Science Academy (INSA).
- ❖ Awarded National award of NCSTC for popularization of Science in 1990.
- ❖ Appointed as Regional Resource Agency (RRA) by the Ministry of Environment and Forests, Govt. of India to coordinate the activities of National Environment Awareness Campaign (NEAC) since 1993-94.
- ❖ Awarded State Science Award-2018 for Science popularization and research by Govt. of Assam.
- ❖ Awarded "Rajyik Seuj Dharitri Dharak Award" by Asam Sahitya Sabha, in 2019.
- ❖ Appointed as state Nodal Agency for National Bio-diversity Strategy and Action Plan, Govt. of India, UNDP and GEF.
- ❖ Appointed as Nodal Agency for implementing Environment Orientation in the Schools of N.E. India by MHRD, New Delhi, Govt. of India

### Publications

- ❖ Over 200 books in local languages.
- ❖ Journal of Assam Science Society (Half yearly), has been publishing since 1955. Now the Journal is known as "Bulletin of Scientific Research".
- ❖ "Bigyan Jeuti (Bimonthly popular science magazine)", has been publishing since 1962 in Assamese language.
- ❖ Explanatory Science Dictionary (Two volumes).
- ❖ Glossary of Scientific Terms.
- ❖ Children Science Encyclopaedia (Five volumes).
- ❖ Science Wall Calendar.
- ❖ Report and a book on National Biodiversity Strategy and Action Plan (NBSAP).
- ❖ Booklets on issue on Science and Technology.

### Various Activities : Science Education

- ❖ Organizing Training Camps for Science and Mathematics teachers of secondary schools, imparting biology and environmental science education to school teachers.
- ❖ Conducts Science Talent Search Competition annually.
- ❖ Organises Science Exhibition.
- ❖ Organises Seminars and symposia on innovative teaching of Science and Mathematics, issues related to impact of Science and Technology, Science Syllabi, Quality of Text Books etc.
- ❖ Organises Lectures on Scientific Topics and also Extension Lectures.
- ❖ Organises Children's Science Congress (NCSC).
- ❖ Organises annual meet of researchers for facilitating presentation of the results of their research (Annual Technical Session)
- ❖ Arranges visit to Ecologically Threatened Areas, Industrial Units etc. by School Children with teachers.

## Environment and Biodiversity

- ❖ Survey on Drinking Water, Biomedical Wastes Disposing, Mortality of a Animals of Assam State Zoo, High-risky buildings and Open space of Guwahati etc.
- ❖ Establishment of Nursery of Medicinal plants.
- ❖ Popularization of low cost sanitation facilities.
- ❖ Conducts Environment Orientation activities in the schools of North East India.
- ❖ Organises Nature Camps or School Children.
- ❖ Conducts Environment Awareness Programme under NEAC.
- ❖ Workshops on Earthquake Preparedness & Mitigated Wetlands of Assam and Local Herbal Medicine.
- ❖ Organizes Eco-Development Camps.
- ❖ Campaign against use of environmentally hazardous materials.
- ❖ Campaign for creating awareness about issues related to biodiversity of the region.
- ❖ Organises Campaign for necessity of safe drinking water. Organises World Environment Day and World Nature Conservation Day.
- ❖ Organises Intensive Plantation Programme.
- ❖ Programmes under Global Learning and Observations to Benefit the Environment (GLOBE).

### Health

- ❖ Preparation and distribution of Health Cards amongst Primary School Children.
- ❖ Regular Health Camps.
- ❖ Organises various National and International days like World Health day, World No-Tobacco Day etc.

### Agriculture and Entrepreneurship

- ❖ Organises farmers' training camps, demonstrative establishment of Plastic Green House and Vermicompost.
- ❖ Demonstrative units on Scientific Rearing of Pigs.

## About the Host Institute : B. Borooh College

B. Borooh College was established in the year 1943 in the name of Bholanath Borooh, 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. The College has had illustrious persons like Lokapriya Gopinath Bordoloi and charismatic parliamentarian Hem Barua serving as it's Principal.

The College has completed seventy five years of glorious service to higher education this September. 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 provides for courses in H.S. (Science), H.S. (Arts), H.S. (Commerce), B.A., B.Sc., B.B.A., B.Sc.(IT) and M.Sc in Chemistry, Botany, Zoology and Geography. Moreover, it also provides for PhD in Chemistry, Zoology and Botany.

At present, the college caters to more than 3400 students while serving the entire North Eastern region with students from all the neighboring states flocking to take admission.

In 2004, the college was awarded B\*\* by NAAC. The college has made rapid strides over the years as evident from the fact that in September 2016 the college has been awarded **Grade 'A'** by NAAC.

## About the Seminar

**Seminar Name :** Emerging Priorities in Science and Technology with Special Focus on Rural and Green Technology

**Mode of Seminar :** Hybrid (Offline/Online)

### Sub-Themes

- Green Technology
- Climate Change
- Impact of Climate Change on Agriculture, Plant Productive
- 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.)
- Technology for rural development
- Environment and Sustainability
- Biomaterials
- Agriculture and Food Technology
- Nanotechnology
- Biodiversity
- Pisciculture
- Sericulture
- Physical science
- Mathematical Science

## Organizing Committee

### Advisors:

Prof. Mohan Ch. Kalita, President, Assam Science Society  
Dr. Dhireswar Kalita, Working President, Assam Science Society  
Prof. Arun Kr. Handique, Advisor, Annual Tech. Session, Assam Science Society  
Dr. Jagadindra Raichoudhury, Former Gen. Secretary, Assam Science Society  
Dr. Jaydeep Baruah, Former Gen. Secretary, Assam Science Society

### President:

Dr. Satyendra Nath Barman  
Principal, B Borooh College

### Vice President:

Sumanta Barthakur  
Vice Principal, B. Borooh College  
Mrinal Kr. Hazarika, Gen. Secretary (i/c), Assam Science Society

### Convener:

Dr. Bijoy Sankar Goswami

### Joint Convener:

Dr. Rajlakshmi Devi

### Members:

Dr. J. C. Kalita, Dr. Bhaben Tanti, Dr. Ramesh Ch. Deka, Dr. Biren Das, Dr. Kali Prasad Sarma, Dr. Dilip Kr. Kakati, Dr. Debabrat Baishya, Dr. Subhash Medhi, Dr. Samim Rahman, Dr. Prahash Ch Sarma, Dr. Mridul Kr. Barthakur, Dr. Manjit Kr. Bhattacharjya, Naba Talukdar, Dr. Chandra Rekha Mahanta, Dr. Ranjit Kr. Choudury, Dr. Kamala Kanta Borah, Dr. Palashmoni Saikia, Dr. Nipan Mazumdar, Dr. Pradip Mahanta, Dr. Homeswar Kakati, Dr. Sunayan Bordoloi, Dr. Nripendra Ram Kalita, Dr. Anjana Bhattacharyya, Dr. Manoj Barthakur, Dr. Diganta Choudhury

### Treasurer:

Dr. Apurba Kalita