

About the Department

The Department of Biotechnology & Bioinformatics at the North-Eastern Hill University, Shillong was established in the year 2005. The department works on its primary objectives which are to introduce students to the principles, practices and application of animal, plant, and microbial biotechnology. The department while giving importance to the global scenario has the regional importance in research and development incorporated in its programme.



About the Seminar

The seminar would be divided into three categories. Category-I would focus on the latest developments and emerging trends in biotechnological research in areas such as as biodiversity and conservation, medicinal plant research, data science and healthcare, microbial wealth, and its bioprospection, metabolic disorders and biotechnological interventions, immunometabolism, and tumor immunology, and bioeconomy, bio-entrepreneurship and bioresources with special reference to North-East India. Category-II is a bio-ideathon where participants would pitch ideas for a problem. Category-III focus on exhibition by the bio-entrepreneurs from across India including North-Eastern States. The program will include talks from bioentrepreneurs, scientists from Academics and Industries with group discussion for a meaningful outcome of the seminar.

Theme Areas

- ❖ Biodiversity & Conservation
- ❖ Medicinal Plant Research
- ❖ Data science and health care
- ❖ Microbial wealth, & its bioprospection
- ❖ Immunometabolism, Tumor Immunology
- ❖ Bioeconomy, bio-entrepreneurship and bioresources
- ❖ Metabolic disorders and biotechnological interventions

Organizing Committee

Patron-in-Chief

Prof. Prabha Shankar Shukla
Vice Chancellor, NEHU, Shillong

Patron

Prof. N. Saha
Dean, School of Life sciences, NEHU, Shillong

Convenor

Prof. S. R. Joshi, Head, Department of Biotechnology & Bioinformatics, NEHU, Shillong

Organizing Secretary

Dr. S. Majaw, Associate Professor, Department of Biotechnology & Bioinformatics, NEHU, Shillong

Local Organizing Committee

- ❖ Prof. K. Aguan, Department of Biotechnology & Bioinformatics, NEHU, Shillong
- ❖ Dr. A. Bhattacharjee, Associate Professor, Department of Biotechnology & Bioinformatics, NEHU, Shillong
- ❖ Dr. N. Chaurasia, Assistant Professor Department of Biotechnology & Bioinformatics, NEHU, Shillong
- ❖ Dr. B.K. Mishra, Associate Professor, Department of Rural Development & Agricultural Production & PI, BioNEST Bioincubator Facility, NEHU, Tura Campus
- ❖ Dr. Suman K. Nandy, CEO BIRAC BioNEST Bioincubator (B3I) Facility, NEHU, Tura Campus

Advisory Committee

- ❖ Sh. Augustus S. Suting, APD, S&T Cell (Planning) & OSD, SCSTE/BRDC, Govt of Meghalaya
- ❖ Prof. A. K. Mukherjee, Director, IASST, Guwahati
- ❖ Prof. P. Tandon, Former CEO, Biotech Park, Lucknow
- ❖ Dr. Manoj Singh Rohilla, Scientist "E", DBT, New Delhi
- ❖ Prof. H. Kayang, Head, Department of Botany, NEHU, Shillong
- ❖ Prof. B. Roy, Head, Department of Zoology, NEHU, Shillong
- ❖ Prof. M.B. Syiem, Head, Department of Biochemistry, NEHU, Shillong

NATIONAL SEMINAR ON EMERGING TRENDS IN BIOLOGICAL SCIENCES: A NORTH EAST INDIA PERSPECTIVE

28th February - 1st March, 2023



Organized By

Department of Biotechnology
& Bioinformatics,
North-Eastern Hill University, Shillong-
793022, Meghalaya, India

In

Collaboration with

Bio-Resources Development
Centre (BRDC), Shillong

&

BioNEST Bioincubator facility, NEHU,
Tura campus, Tura, Meghalaya



Participants

Category I: Oral /Poster presentation

The category-I is open to research scholars, faculties, and professionals from universities, colleges, government research institutes, private and non-governmental organizations.

Abstract submission

Interested researchers may send the soft copy of abstracts for oral/posters presentation (12 font size, Times New Roman font and 1.5 spacing, 250 words) through email id etbsseminar@gmail.com. The last date of abstract submission is **on or before 25th Jan, 2023**. Selected candidates will be intimated via email by **30th Jan, 2023** and must get registered after acceptance of the abstract.

Registration for category-I

The link for registration to category-I is given below:

<https://forms.gle/rCFoSZVurRLNZgDAA>

Screenshot of proof of payment should be uploaded during registration.

Category-II: Bio-ideathon

In category-II, post-graduate students, research scholars or faculty from the field of biological sciences are invited to submit their ideas as per the template for Bio-ideathon to etbsbioideathon@gmail.com latest by **25th Jan, 2023**. The idea can be submitted as an individual or as a group of maximum up to 4 members. In group, there should be one team leader. Selected participants will be intimated via email by **31st Jan, 2023** and will be invited for oral presentation in front of the selection committee. The ideas will be kept confidential. The decision of the screening committee constituting of eminent scientists will be considered final. Selected participants must get registered after acceptance.

Appropriate ideas will be facilitated for funding applications by BioNEST Biocubator Facility, NEHU, Tura Campus, Tura

Registration for category-II

The link for registration to category- II is given below:

<http://forms.gle/wXQ4wuo7cq4ujJ65A>

Screenshot of proof of payment should be uploaded during registration. If you have registered in Category-I then you need not pay again.

Template for Bio-ideathon

1. Title of the idea (Times New Roman, Size 12, 50 characters)
2. Name & Qualification of the Presenter:
3. Individual: Yes/No
4. Group: Yes/No, If Yes, Name & qualification of the other group members (upto a maximum of four members including the presenter)
 - (i)
 - (ii)
 - (iii)
5. Problem Statement (State the problem that you have observed and targeted to find the solution):
Maximum word limit is 100
6. Product/Service/Solution Offered [Outline of what you intend to do without the detailed methodology. Any Limitation to the solution? Is your solution available for all the people affected by the problem?]:
Maximum word limit is 100
7. Uniqueness [Point out the innovativeness/ newness in your proposed solution and how it is different/better from the existing products, if any]:
Maximum word limit is 50
8. Plagiarism Certificate attached: Yes/No

#Participants should note the following:

- i. The submitted proposal meant for Bio-ideathon is not being funded. It is purely to evaluate the merit of the proposal for the award during the National Seminar.
- ii. The idea being presented before the committee should be novel and should not be taken from published or patented data/information.
- iii. The participants are required to submit plagiarism certificate. In case if the participants are unable to do so then the organizer will send for checking the plagiarism percentage. Upto 2% of plagiarism will be allowed.

Registration fees

Category	Registration before 10 th Feb, 2023	Registration After 10 th Feb, 2023
Post Graduate students	Rs 500/-	Rs 1000/-
Research Scholars	Rs 1500/-	Rs 2000/-
Faculty/ Scientist	Rs 2500/-	Rs 3000/-

***Registration fee includes seminar kit, lunch and refreshment for two days of seminar.**

Important notes

- ❖ Interested participants who would like to attend the seminar can email to etbsseminar@gmail.com.
- ❖ Hard copies of certificates will be issued to all the participants of category-I and category-II.
- ❖ Best Oral and Poster awards will be given in the technical sessions.
- ❖ Winner of bio-ideathon will be given cash prize of Rs. 10,000/-, Rs. 7,000/-, Rs. 5000/- to first, second and third position respectively.

Payment

Payment has to be done by NEFT to Account No. 054101000090003 or Demand Draft (DD) in favour of "FINANCE OFFICER, NEHU, SHILLONG" payable at Indian Overseas Bank, Shillong Branch, IFSC code: IOBA0000541. Original copy of DD should be sent by post to Organizing Secretary at the earliest. Amount once paid shall be non-refundable.

Accommodation

Accommodation will be arranged on payment basis only for the participants at University guest house on first come first served basis. There is no provision for TA/DA for the participants.

Category-III: Bioentrepreneurs Exhibition

Biotechnology plays an important role in the growth and development, especially strengthening the economy through development of new and innovative ideas generated from various start-up companies through indigenous innovations, technologies, products and services of various applications in focus areas such as healthcare, agriculture, environment etc. It is a well-known fact that, entrepreneurship can be a detrimental factor for the sustainable economic growth, fueling the bioeconomy of a country, across the globe. Thus in view of the importance of Bioentrepreneurs in India, the Department of Biotechnology & Bioinformatics, North-Eastern Hill University, Shillong, welcomes emerging Biotech companies, start-up, bioentrepreneurs, incubators etc. across the country to showcase their products and services.

Objectives

The objective of the two day exhibition is to showcase commercial and non-commercial products and services of various individual organizations/ companies/ entrepreneur(s)/start-up. This event will nurture growth of their companies in the grassroots level by giving awareness, importance's and values to the participants.

Benefits of participating the event

- ❖ Designated stalls will be provided for each individual companies separately.
- ❖ Displaying and sales of their valuable products and services.
- ❖ Interaction with Professors, scientist, academician, researchers and students across the country, students and also farmers from across the North-East States.
- ❖ Platform for interacting with other companies.
- ❖ Network development for both academia and business.

Important notes

- ❖ No registration fee will be charged from the participating companies/entrepreneur(s)/start-up.

- ❖ Lunch and refreshment will be served for two days of seminar for two persons only.
- ❖ Accommodation can be provided on payment basis on first come first served.
- ❖ There is no provision for TA/DA for the companies/entrepreneurs/start-up.
- ❖ There are limited stalls available. Selected companies/entrepreneur(s)/start-up will be intimated via email.

Registration for Category-III

Interested organization can register through the email etbsseminar@gmail.com latest by **25th Jan, 2023**. Details should be provided in the format given below.

Name of the companies/entrepreneur(s)/start-up:.....

Address:

Contact no.

Email id:

Founder / CEO/ Director Detail:

Name of the Persons coming for the exhibition

1.

2.

Product and Services details:

Sponsorship opportunities

Sponsorship packages are available to interested organization/firms/companies/dealers. This will give them opportunities to meet new clients, business partners and to promote their business through exhibition. Interested organization/firms/companies/ dealers can approach the Organizing Secretary for their sponsorship and stalls for the exhibition.

For further information contact

Dr. S. Majaw, Organizing Secretary,
Department of Biotechnology & Bioinformatics,
North-Eastern Hill University, Shillong-793022.

E-mail id: etbsseminar@gmail.com

Phone No.: +91-364-2722407

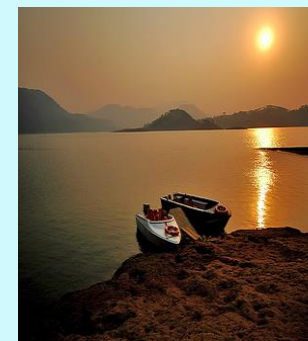
For the updated information visit at www.nehu.ac.in

General Information

Shillong, the capital of Meghalaya is located at an altitude of 1496 metres above the sea level. Tucked away in the hills of Eastern-Himalaya, Meghalaya, is one of the most beautiful states in the country. Nature has blessed her with abundant rainfall, sunshine, virgin forest, high plateaus, tumbling waterfalls, crystal clear rivers and meandering streamlets.

Weather: The weather of Shillong, India in **February** is pleasant with an average temperature fluctuating between 7.8°C to 20.8°C. Moderate woolen clothing is advised.

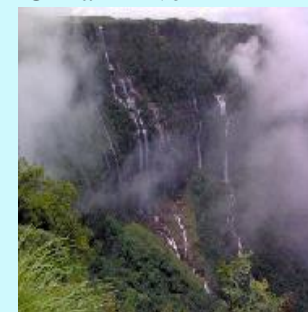
How To Reach: Shillong is connected to Guwahati by NH 40 and it takes 3 to 4 hours to cover the distance of 103 km. Guwahati itself is connected to all parts of the country by rail, road and air services. The nearest airport to reach Shillong is Gopinath Bordoloi international Airport, Guwahati and it should not take more than 3.5 hours to reach Shillong. Airport also exists in Shillong.



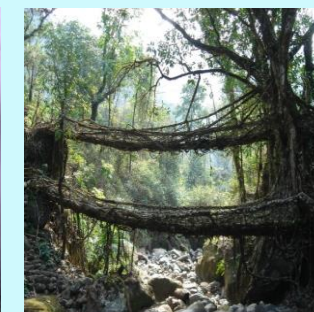
Umiam River



Ward's Lake



Noh Sngithiang falls



Double Decker Bridge