About Department of Botany, Nagaland University:

Nagaland University is a Central University established by the an act of Parliament No. 35 of 1989 with campuses at Kohima, Lumami and Medziphema with Headquarters at Lumami, Zunheboto District, Nagaland. Department of Botany was established in 1997. The Department is supported by UGC-SAP and DST-FIST Programme. The DBT sponsored Advanced Level Institutional Biotech Hub was sanctioned during 2011. The Department is equipped with modern research facilities and engaged in HRD in Applied Life Sciences and conducting trainings/workshops at regular interval.

About Institutional Biotech Hub

The Institutional Biotech Hub, Nagaland University, Lumami was established in the year 2011 with the grant from the DBT, Ministry of Science & Technology, Government of India, New Delhi. The broad purpose of the programme is to promote education and research in Biology / Life Science / Biotechnology and to attract brilliant young students to build their career in different fields of biological sciences/ biotechnology.

About NIT, Agartala

National Institute of Technology Agartala, erstwhile Tripura Engineering College (established in 1965), the 20th member of the NIT fraternity, was established in 2006 to impart quality technical education into various level of higher learning. It is a centrally funded technical institution with Deemed to be University status and is a National Centre of Excellence.

At present the institute has 13 departments covering all the major engineering, science and humanities disciplines offering B. Tech, BS-MS, BT-MT, M-Tech, MCA, M. Sc, MBA and PhD programs in various fields of specialization. The mission of the Institute is "To help to improve the economic development of the country particularly the North-East states and also the public systems, through pursuit of excellence in technical education, research, consultancy and training".

About the Training Program

'Synergistic Training program Utilizing the scientific and Technological Infrastructure' **(STUTI) is intended to build human resources and its knowledge capacity through open access S&T Infrastructure across the country. A a complement to the various schemes of DST funding for expansion of R&D Infrastructure at academic institutions, STUTI scheme envisions a hands-on training program and sensitization of the state-of-the-art equipment as well as towards sharing while ensuring transparent access of S&T facilities**

How to reach Nagaland University, Lumami (Mokokchung), Nagaland

(1) From Guwahati: Blue Hill /Network Travel Bus
(2) From Mariani/Jorhat: Tata Sumo Service
(3) Mariani, Assam (130 KM)
(4) Nearest Airport: Jorhat, Assam

विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF SCIENCE & TECHNOLOGY

Hands-on Training on

'Techniques in Applied Biology'

[Under DST Sponsored 'Synergistic Training program Utilizing the Scientific and Technological Infrastructure' (STUTI)]

In collaboration with

National Institute of Technology
Agartala, Tripura

April 21-27, 2022

Organized by

Advance Level Institutional Biotech Hub

Department of Botany
Nagaland University, Lumami-798627
Nagaland

Who Can Apply/Participate

Post Graduate students in Life Sciences, B. Tech (Technology), Ph. D. Research Scholars, PDF in Life Science, Faculties from the Colleges/Universities, Scientists involved in research across various institutions in the country.

Course Coordinator

Prof. Chitta Ranjan Deb
Coordinator Institutional Biotech Hub & Head, Department of Botany, Nagaland University

How to Apply

Please fill up the registration form and email to- debchitta@rediffmail.com/ debchitta@nagalanduniversity.ac.in/ Mobile: +91-9436006808/ 8787576859

Course Fee

No Registration Fee. Boarding and Lodging (including food) will be free. Participants will be paid their travel expenses by shortest route and on sharing basis (on production of original tickets). Accommodation (w.e.f. April 20-27, 2022) will be arranged in the University Guest House/ Hotel on sharing basis.

Important Dates

Registration: Till April 09, 2022

Selection: Selected candidates will be informed by email/ phone on April 11, 2022 by email.

Intake Capacity: 30 (Thirty)

Training Module

(1) Expert Lectures

(2) Active Laboratory Sessions (Wet Lab. and Dry Lab.)

(3) Group Discussion/ Interactive Sessions.

Course Contents:

Lectures:

(1) Molecular Biology Techniques; (2) Microbiology Techniques; (3) Techniques in Biodiversity Characterization; (4) General Bioinformatics; (5) Molecular Phylogeny.

Hands-on Session:

Biotechnology, Biochemistry, Microbiology, Molecular Biology:

(1) DNA and mRNA extraction & purification from higher plants and microbes; (2) Agarose gel electrophoresis of DNA and visualization; (3) Different types of PCR; (4) Isolation of microbes and pure culture; (5) Extractions of different types of plant metabolites and quantification; (6) Competent cell preparation and bacterial transformation.

Bioinformatics: (1) Bioinformatics Databases; (2) Sequence analysis; (3) Computational evolutionary studies and Phylogenetic analysis .

Registration Form

Hands-on Training on

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April 21-27, 2022

Name: _____

Designation/Occupation: _____

Organization: _____

Address: _____

_____

_____

Sex: Male / Female (Please tick mark)

Email: _____

Phone/Mobile: _____

Accommodation required/Not required with date of arrival and departure

Signature: _____