

Participation in India International Science Festival 2024

Guwahati Biotech Park along with sister organizations under the Science, Technology and Climate Change Department, Government of Assam, actively participated in the India International Science Festival (IISF) 2024 at IIT Guwahati on 30th Nov - 3rd Dec 2024. Showcasing Assam's strides in biotechnology, agritech, medtech and innovation, GBP highlighted its incubation support, research facilities, and startup ecosystem. The event was graced by more than five hundred exhibitors from different parts of the country, delegates, industries, start-ups, incubators and academia. The event provided a platform for collaboration, networking, and knowledge exchange, reinforcing Assam's commitment to fostering scientific and technological advancements. The participation underscored the region's growing potential as a hub for innovation-driven entrepreneurship and sustainable development.



Regional Honey Testing Laboratory

We are thrilled to announce the upcoming Regional Honey Testing Laboratory at Guwahati Biotech Park! This state-of-the-art facility is being established with the support of the National Bee Board (NBB), Government of India, under the National Beekeeping and Honey Mission (NBHM). The laboratory aims to boost the honey industry in the region by ensuring high-quality testing and supporting beekeepers, honey producers, and entrepreneurs.



Workshop on "Building Innovation & Startup Ecosystem" for North East

GBP represented by Dr. Bula Choudhury, Senior Scientist took part in a two-day peer learning workshop, "Building Innovation & Startup Ecosystem" for North East organized by NTIT Aayog in collaboration with the Planning & Development Department, Government of Sikkim. The event brought together representatives from Government and incubation centres and startups of Northeastern states. A 10-member delegation from Assam, including officials from GBP, Assam Startup-The NEST, AIC- NIPERG, The Hub, and other state incubators, actively participated, contributing valuable insights to strengthen the regional startup ecosystem.



Technology Transfer and Intellectual Property Symposium 2024

GBP participated in the recently concluded "Technology Transfer and Intellectual Property Symposium 2024", themed "Navigating Intellectual Property Rights in the Innovation Landscape co-organized by IKP PRIME, IKP Knowledge Park, National Law University (NLU), Meghalaya, and the IPR Cell of North Eastern Hill University (NEHU), Shillong on November 15th-16th, 2024 at the National Law University, Meghalaya, Shillong Campus. Dr Bula Choudhury served as a panellist in the session Building a Thriving Innovation Ecosystem: Challenges and Opportunities" on 15th November 2024.



MOU exchange with Kaliabor College

GBP has recently signed a MoU with Department of Biotechnology, Kaliabor College, Nagaon to foster academic and research collaboration between the institutions and enable skill development and entrepreneurship opportunities for the students. During the MoU exchange, Dr Barnali Sarma, Ms Himjyoti Kakati, Assistant Professors, representing Kaliabor College and GBP scientific team were present. The MoU will cover the scope of diverse range of training, internships, Faculty Development Programs, Faculty Exchange Programs, Workshops, Seminars, entrepreneurial opportunities etc. that are already being offered by GBP.



Visit by officials from Assam Skill University

A team of officials from Assam Skill University visited GBP on 16th November, 2024. The team comprising of Mr. Himalay Sarma (Deputy Project Director), Ms. Mousumi Sen (OSD), Dr. Sanghita Dutta (Environment Specialist), Ms. Pranami Barthkur (Skill Manager), and Miss Anandita Roy Choudhury (Consultant, KPMG), had a brainstorming session with scientific officials of GBP on potential collaborations to promote innovation and skill development in Assam. The team expressed their interest to join hands with GBP for various skill based R&D activities, academic programs & entrepreneurial ventures for students and entrepreneurs, exploring knowledge and much needed supports on different scientific and financial domains.



Skill Development Training on Fish Processing & Value Addition

The Business Incubation Center in Fisheries and Aquaculture (BICFA), GBP, in collaboration with the College of Fisheries (CoF), AAU, Raha, Nagaon, successfully organized a Skill Development Training Programme on Fish Processing and Value Addition from November 4th to 6th, 2024, at CoF, Raha. The program was inaugurated by Dr. Bula Choudhury, Senior Scientist, GBP & PI, BICFA, and Dr. Pardip Chandra Bhuyan, Dean, CoF, Raha, who highlighted the significance of skill development and entrepreneurship in the fisheries sector. Shri Chandan Chetry, Nodal Officer, PMMSY, spoke about government support for fisheries entrepreneurs.

Expert sessions covered diverse topics, including value-added fish products, hygienic handling, quality assurance, and business incubation opportunities. Hands-on training included practical demonstrations on fish pickling, filleting, deboning, and processing fish into cutlets, sausages, and dried products. Participants also gained insights into entrepreneurial opportunities from industry professionals. The program concluded with a valedictory session led by Shri Deba Kr Mishra, CEO, GBP, and Dr. Bhuyan, who emphasized the growing potential of the fisheries sector in Assam. A total of 39 participants from 15 districts, including Arunachal Pradesh, benefitted from this initiative, gaining practical skills and business insights to enhance their careers in aquapreneurship.



Skill Development Training Programme on Aquarium Setup & Ornamental Fishkeeping

A two-day Skill Development Training Programme on Aquarium Setup for Ornamental Fish-keeping was organized at Business Incubation Centre for Fisheries and Aquaculture (BICFA) under Central sector Scheme component of the Pradhan Mantri Matsya Sampada Yojana (PMMSY) at GBP on 21st & 22nd October, 2024. The training program was coordinated by Dr. Bula Choudhury, Senior Scientist & Project Investigator, BICFA.



The two day training program saw experts from various fields engaging with the participants including sessions from Prof. Prabodh Borah, Director Research, Veterinary College, AAU; Prof Robin Bhuyan, HoD, Animal Nutrition Department College of Fisheries, AAU and Dr Kaustubh Bhagawati, Asst. Professor, College of Fisheries, Raha. Practical sessions were conducted by Mr Diponkur Bordoloi and Abinash Kalita from BICFA, GBP and Mr Pushpak Roy, GM from "Satsoma, the aquarium shop" with aquarium accessories and product demonstration. The participants also were taken on a field visit to Illuscube, Handcrafted Planted Aquarium, at Amingaon, to demonstrate the business prospects of ornamental fish keeping and aquatic plants with scientifically designed fish tanks/aquariums. Finally a guided tour was provided with introduction to analytical equipment at GBP facilities by Dr Rajiv Ch Dev Goswami, Co-PI BICFA, RA, GBP.

Training on Pearl Culture Techniques

BICFA in association with National Fisheries Development Board (NFDB) jointly conducted a Training program on Pearl Culture Technique at GBP on 6th and 7th December, 2024. This is the first initiative from BICFA GBP to conduct such training on pearl farming. Many participants across NER actively took part in the program and were very passionate towards learning the pearl culture techniques and its enormous prospects. The program was designed to equip participants with the necessary knowledge and skills to engage in successful pearl farming practices. We express our heartfelt gratitude to Mr Budhan Singh Purty, CEO, Purty Agrotech, Pearl farming and Research institute, Jharkhand for his presence and guidance throughout the program. We also thank Shri Ashim Kr Borah, Senior executive cum Officer in charge, NERC, National Fisheries Development Board, Assam and other experts in the field for their presence in the program.



Training Programme on HPLC & GCMS Techniques

GBP conducted a training program on HPLC & GCMS techniques and its applications on 6th and 7th December 2024 at CAIF, GBP. Participants included research scholars, students, faculty members from different institutes/organizations across NE region participated in the program. Trainees were provided with a hands on experience on the working of advanced sophisticated chromatography systems, like HPLC, GCMS systems at central facility of GBP. The program covered many important aspects of chromatography techniques, such as sample extraction, preparation, filtration, separation, purification, fractionization etc. including the data analysis and interpretation of results.



Training program on Plant Tissue Culture

A Training program on Plant Tissue Culture was successfully conducted at GBP on 4th and 5th December 2024. Participants from Mahapurusha Srimanta Sankaradeva Viswavidyalay and entrepreneurs across the region actively took part in the program and were very passionate towards learning the tissue culture techniques and its wide applications. Participants were thrilled to learn about how tissue culture technique can increase overall yield of crops and to produce newer varieties of plant species. They were also provided with an informative tour of all GBP facilities in the campus. Dr Amilia Nongbet, Assistant Professor, USTM, Meghalaya, Dr. (Ms.) Reema Vareen Diengdoh, Assistant Professor, Dept of Botany, Shillong College, Dr Aniruddha Sharma, Assistant Professor, Pandu College and Ms Lanujungla Pongen, Research Scholar of Department of Botany, USTM were among the experts and trainers present during the program. The program also focussed towards production of disease free plantlets and conservation of many important endangered plant species of NER.



Training program on Protein Isolation, Chromatographic Separation & Characterization

A hands on training program on “Isolation, Chromatographic Separation & Characterization of Protein” was jointly organized by GBP and Institutional Biotech HUB, Dept of Biotechnology, Gauhati University at GBP on 27th November, 2024. The training program was supervised by Dr Bula Choudhury and Dr Rajiv Ch Dev Goswami, from GBP. A wide variety of participants from various academic and research background participated and learnt techniques of Protein isolation, separation, purification and fractionization with the help of sophisticated instruments like FPLC system. Participants also learnt about the techniques and principles of Ion exchange, Affinity, size exclusion, desalting chromatography at GBP.



INTERNSHIP

Ms Swapnanjali Das from Gauhati University, Guwahati, successfully completed her internship program on "Fundamentals of Molecular Biology, Microbiology, Herbal extraction and Phytochemical analysis" under supervision of Dr. Bula Choudhury and Dr. Rajiv Ch Dev Goswami in September-October 2024. During the tenure Ms Das learnt about various phyto-extraction techniques with special emphasis on different aspects of Bioprospecting along with application of Proteomics and Molecular Biology.



10 students from Dept. of Biotechnology, Kaliabor College, Ms Divya Gayari, Ms Karabi Devi, Md. Aslamul Hoque, Ms Akangsha Biswas, Mr Vikrant Bharadwaj, Ms Tanaya Mahanta, Mr Dyutimoy Mandal, Mr Julian Daimari, Mr Kaushik Gorh Mr. Zubeen Kashyap, Mr Sanchay Mahato completed their internship program on Molecular Biology and Microbial Techniques," in November, 2024 under supervision of Dr Bula Choudhury and Dr Rajiv Ch Dev Goswami, at GBP.

The participants learned skills and techniques such as RFLP, PCR run, proteomics and protein chromatography, SDS PAGE run, agarose gel run, microbial plating, antibiotic testing (MIC) etc. The group also had a exposure to advanced sophisticated equipment and instruments at GBP.

Ms Shirin Banik from Kalinga Institute of Technology, Odisha and Ms Akoijam Meerabai Devi, Intellisome consulting Pvt. Ltd., successfully completed their internship program on "Fundamentals of Sophisticated Analytical instruments and Molecular Biology" under supervision of Dr. Saurav Dey and Dr. Prajjalendra Barooah in December 2024. During the tenure The students learnt about various techniques of molecular biology and bioinformatics with special emphasis on application on in-silico protein structure and function prediction and their impact on disease progression and therapeutics.



Exposure Visits

School of Natural Sciences, Girijananda Chowdhury University, Guwahati

A group of 40 students along with faculty members from School of Natural Sciences, Girijananda Chowdhury University, Guwahati, visited our TIC, GBP facilities as a part of an exposure visit on 29th October, 2024. During the visit, students were introduced to GBP equipment and laboratory facilities along with modular laboratory division. The visiting students observed the working of various scientific research instruments and their analytical aspects available at GBP.



Assam Down Town University



Graduate and undergraduate students from Assam Down Town University visited TIC, GBP, on 12th November 2024. The team was provided with an informative tour of GBP instrumentation facilities and were delighted to see all laboratory facilities including Packaging unit, green house, cold room etc. The students interacted with our scientific team including our interns, project scholars, resident incubates about various scientific and entrepreneurial activities on going at GBP.

Girijananda Chowdhury Institute of Pharmaceutical Sciences, Tezpur



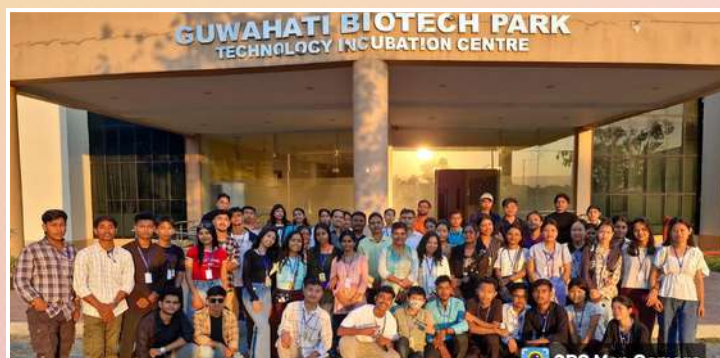
Graduate students from Department of Pharmaceutics, Girijananda Chowdhury Institute of Pharmaceutical Sciences, Tezpur visited TIC GBP on 12th November 2024. The students interacted with our scientific team including our interns, project scholars, resident incubates about various scientific and entrepreneurial activities on going at GBP.

Science College, Kokrajhar

MSc students from the Department of Zoology, Science College, Kokrajhar visited TIC, GBP on 13th November 2024. The team had an informative tour of GBP instrumentation facilities, modular laboratories, packaging units, green house, cold room, upcoming Bio-flocs facilities etc. The team was fascinated to learn about the impact and role of GBP in building NER start-up ecosystem as an incubation support and scientific facility provider.



Botany Department, Lumding College



BSc students of Botany Department, Lumding College, Assam, visited GBP, on 19th November, 2024. During the visit the team had an interactive session with our GBP scientific team and accordingly they were provided with a guided tour of all GBP facilities. Students were excited to see the state of the art equipment and laboratory set up at TIC GBP and observed various R& D works that are taken up by GBP incubates at modular laboratory section.

B. Borooah College

MSc Botany students from B. Borooah College, Guwahati, visited TIC, Guwahati Biotech Park on 28th November 2024. The students interacted with our scientific team including our interns, project scholars, resident incubates about various scientific and entrepreneurial activities on going at GBP. The visiting students observed the working of various scientific research instruments and their analytical aspects.



Guru Nanak Senior Secondary School



A group of students from Guru Nanak Senior Secondary School, Guwahati visited TIC, GBP facilities on 20th December 2024. The students were provided with an informative tour of GBP facilities, including modular laboratories, green house etc. Students enthusiastically interacted with the scientific team and observed various research activities with an exceptional quest to learn about new avenues of Biotechnological Research.

Student exposure visit to GBP under AAROHAN Scheme

The students selected from various districts for the year 2024 under the Chief Ministers AAROHAN program which is an ambitious program to improve the quality of Secondary Education and to aid identification of talented students from the remote, rural and poor families for the mentoring and monitoring of their academic career a number of students from different districts visited GBP in this period.

Dhemaji, Mankachar, Sonitpur and Majuli	480 students
Morigaon and Goalpara	257 students
Baksa, Nagaon and Dima Hasao	474 students
Hailakandi and Jorhat	183 students



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