



GUWAHATI BIOTECH PARK
Discovering Through Partnership



APRIL - JUNE, 2023

From Vision to Reality: Guwahati Biotech Park's Technology Incubation Centre Completes a Year!

On the occasion of one-year completion of GBP's TIC at Amingaon, a day long program was held at GBP on 20th June 2023 in presence of the Chief Guest; Shri Keshab Mahanta, Hon'ble Minister, Science Technology and Climate Change Department, Smti Laya Madduri, IAS, Secretary, Science Technology and Climate Change Department, Govt. of Assam, Prof. USN Murthy, Director, NIPER Guwahati and Prof. Parameswar K Iyer, Officiating Director, IIT Guwahati. The event saw participation from a large gathering of industrialists, students and startups.

Award Distribution Ceremony of TSC 2023

The event saw the award distribution ceremony to the winners of Seventh edition of "Talent Search Contest on Innovative Research Ideas Leading to Entrepreneurial Venture in Biotechnology and Allied Areas".



The winners were

- Mr. Trailukya Dutta, M/s Tholua Pratisthan (www.tholua.com), for his concept of producing "AI-emblica mood food" for all age groups using standardized Aged Black Garlic of NER.
- Mr. Sanjib Das, M/S T.C BAKERY (www.tcbakery.in), Nalbari, for his concept of replacing wheat flour by using Assam's Special Joha Rice flour along with few natural herbs in Bakery Industry.
- Ms. Sweta Das, Department of Zoology, Cotton University for her concept of developing protein rich candy from a common edible insect, Philosamiaricini Donovan.

They received a prize worth Rs. 1 Lakh each, including a cash prize of Rs. 20,000 and an opportunity to incubate their projects at the TIC, GBP for one year. They will also get a chance to apply for the NRL Ideation grant.

Inauguration of NIDHI PRAYAS centre, Packaging Unit and ABTC website

During the event Hon'ble Minister also inaugurated the NE India' first NIDHI PRAYAS center and PRAYAS SHALA which will be used by the entrepreneurs (PRAYASEEs) to develop prototypes of the innovations from a grant money that will be provided to them (upto 10 Lakh each).



The website of Assam Biotechnology Council was also launched by Hon'ble Minister in the event which will serve as a single dedicated platform for the public to access benefits through the Biotechnology Policy for the State of Assam.

A State of the art Packaging Units for MSME's which has been funded by ARIAS society APART project was inaugurated in the event by the esteemed chief guest. It will help the agri-entrepreneurs of the region in learning to package and market their products and agri-produce.

Product display and Expo

As part of the celebration GBP also conducted an expo showcasing products and ideas from various organizations and startups from the startup and incubation ecosystem of the entire NE region. The products and ideas on display at the expo were greatly appreciated by Hon'ble Minister Shri Keshab Mahanta, and other distinguished guests. They appreciated the innovation and creativity of the participants and encouraged them to keep up the good work.



Release of one-year achievement report of GBP

A One-year Achievement report detailing the work done at GBP in the previous year since inauguration of the TIC Building of GBP was released by Hon'ble minister and other dignitaries to mark the event.



MOUs with Nalbari College and Birjhora Mahavidyalaya, Bongaigaon

An exchange of MOUs was also conducted at the event with Nalbari College and Birjhora Mahavidyalaya, Bongaigaon. Through these MOUs, enhance collaboration in various academic activities will benefit both students and faculty members of the institutions.



As part of the celebrations the previously associated incubatees of GBP were felicitated by the dignitaries present at the event with certificate of appreciation for their achievements and for making a difference in the biotechnology and healthcare sector. They are Altanostics Labs, Next2Nature, Kavikrishna Lab, FAED, Innotech Intervention.

Industry and Startup Interaction

The Industry and Startup Interaction witnessed a dynamic exchange of ideas, aiming to foster collaboration and mutual growth between industries and innovative startups. The distinguished speakers were Shri Nitin Singh, Financial Services Specialist, ARIAS Society and Smt. Mayuri Bora, Assistant Director, FINER. The session was moderated by Mr. Arijit Sarmah, Team Leader, Assam Agribusiness Growth Lab. The event sought to nurture innovation and entrepreneurship in Assam, leveraging the potential of startups to drive economic transformation. The session received enthusiastic participation from industry experts, aspiring entrepreneurs and key stakeholders.

Day-long seminar at Lumding College, Hojai

A team of GBP officials comprising of Dr. Bula Choudhury, Dr. Rajiv Ch. Dev Goswami, Mr. Kamal Gauli visited Lumding College, Hojai Assam, on 25th May, 2023, as resource persons, to attend day-long seminars on following sessions: “Fostering Entrepreneurial mindsets”; “Intellectual property rights & patents” and “Bioinformatics and drug discovery”. The seminars were organized by Entrepreneurship club, Department of Botany, IQAC, Lumding College. Students from Zoology, Botany, Chemistry, Physics etc. departments actively participated in the program and interacted with the GBP team for future entrepreneurial prospects on their relevant subjects.



Visit by Officials of Invest India

Dr. Geetima Krishna Das, Head, North East Desk at Invest India, Ministry of Commerce and Industry, Government of India along with other officials visited GBP on 28th April 2023. They had an extensive discussion on the upcoming Business Enterprise Zone at GBP and also the Biotech Policy for the State of Assam with GBP officials during their visit.



Training program on Plant Tissue Culture

The third training program on PLANT TISSUE CULTURE was conducted at Micro-propagation facility of GBP in collaboration with North East Centre for Technology Application and Reach (NECTAR) with 21 participants from 11th-13th April 2023.



NECTAR provided the funds for this program. Earlier two batches of the program have been successfully conducted in the months of February and March, 2023. In the programs hands on training was provided to the participants in various techniques of Plant Tissue Culture such as Surface sterilization, Preparation of Stock Solutions and Culture Media, Production of secondary metabolite, Callus culture, Anther culture, Root and Shoot induction, Phyto/Hormone growth regulation, Primary and Secondary Hardening etc. Participants were also sensitized regarding the potential of using Plant Tissue Culture as an entrepreneurial venture and the way to proceed with such ventures by experts from Cotton University, Gauhati University, Tea Research Institute, Toklai, Microgreens, NRDC, NECTAR, KVK Kahikuchi and GBP.

Training Program on Herbal Extraction

The first ever training program on “Herbal Extraction and Antimicrobial Assays” was conducted on 8th- 9th May, 2023 at GBP. The focus of the training was to teach the participants various methods of extract preparation to help identify and obtain different valuable compounds/phytochemicals/metabolites from plants having nutraceutical, medicinal properties. The participants were also taught anti-microbial techniques such as. antibiotic susceptibility tests (AST), antibiotic assays, Disc/Agar diffusion techniques etc.



Training Program on HPLC and GCMS Techniques

A hands on training program on HPLC and GCMS techniques was held at GBP on 11th-12th May 2023 at CAIF, GBP. Participants from various academic and professional backgrounds participated in the training program where they were taught the basics of chromatographic separation and identification of compounds using high end techniques like GCMS and HPLC. The participants got the opportunity to learn various laboratory techniques, equipment handling and interacted with GBP officials and incubates.



Training program on Basics of Bioinformatics

A two-day training program on Basics of Bioinformatics was held at the bioinformatics facility of GBP on 1st-wnfd June 2023. The students were given exposure and taught about the various software and online tools available for them to access biological information online and also in utilization and applications of the same.



Training program on Microscopy

A Special Hands on Microscopy training at GBP for students from Axel Public School, NPS Guwahati, KendriaVidyalaya IITG, Brahmaputra Valley school, Narengi, Army Public School, Jorhat was held in GBP on April 2023. The second Microscopy training for students at GBP was conducted on 29th April 2023 for 12th standard students of DPS, Guwahati. The training module included Slide preparation, Use & applications of light, Stereo Zoom Trinocular, Fluorescence & Confocal Microscope.



A one day Hands-on Training on Microscopy for Students/Research scholars and professionals on 23rd May, 2023. The training module included Slide preparation, Use & applications of light, Stereo Zoom Trinocular, Fluorescence & Confocal Microscope.



Training Program on Protein Handling and Analysis

The third Training program on Protein Extraction, Purification, FPLC analysis & SDS PAGE was conducted on 2nd – 3rd May 2023 at GBP. The participants actively learnt various techniques, equipment handling on protein study, research and entrepreneurial ventures at GBP.



Internship

The following students underwent a one-month long internship at GBP during June 2023:

Ms. Medha Bhattacharyya, Mr. Tanmoy Choudhury and Ms. Sagarika Majumdar underwent internship of two weeks on the topic “Basic techniques in microbial screening and herbal extraction” under the supervision of Dr. Saurav Dey, Scientist, GBP and Dr Prajjalendra Barooah, RA, GBP

Ms. Sagorika Paul, Ms. Deepsikha Buragohain and Mr. Bishal Kumar Singh from Assam University Silchar underwent a two-week internship on the topic “Application of Sophisticated Analytical Instruments” under the supervision of Dr. Saurav Dey, Scientist, GBP and Dr Prajjalendra Barooah, RA, GBP.



New Incubatee Joining

Four new incubatees have joined GBP and have started operating from our premises from 1st June 2023

1. M/s Zymolent Biosciences Pvt Ltd.
2. M/s Fuloni LLP.
3. Heredity Biosciences Pvt Ltd.
4. North East Center for Technology and Reach (NECTAR).

7th edition of the Talent Search Contest, 2023

The proposals received from the contestants at the 7th edition of the Talent Search Contest on Innovative Research Ideas Leading to Entrepreneurial Venture in Biotechnology and Allied Areas, 2023 were evaluated by the esteemed jury members; Dr. Debojit Thakur, Mr. Gaurav Barik, and Mr. Amitav Dutta. The judges provided valuable feedback and evaluation of the topics presented by the participants of the 7th Edition of GBP's Talent Search Contest. This pitching round was held on 30th May, 2023 at GBP and we witnessed some amazing ideas and presentations from the applicants.



Participation in Seminar cum Workshop on Mushroom Cultivation

GBP team members Dr Bula Choudhury, Dr Rajiv Ch Dev Goswami, Mr. Kamal Gaudi and Mr Abinash Kumar from NRDC, NE cell, participated in a seminar cum workshop on mushroom cultivation on 30th June, 2023. The event was organised by Om Innovation and Research Pvt.Ltd. in collaboration with Krishi Vigyan Kendra, Kamrup, at Soneswar, Puthimari, Kamrup.



Exposure Visits

Around 32 Scientists and students from CSIR NEIST, Jorhat along with students from North Eastern states and UTs of Jammu and Kashmir and Ladakh region under Research exposure cum Training program,

Department of Science and Technology, Government of India, INSPIRE scheme, visited GBP on 1st April 2023.



On 20th May 2023, GBP hosted the students and members of Energy Club of Assam Engineering College for a field visit. The students were eager to learn about the functioning of TIC, GBP and how their expertise can be applied to biotech-related works and research areas supported by GBP.

Sixth Semester students along with faculties of Department of Botany, SBMS College, Suwalkuchi visited TIC, GBP with special focus on the Fermentation facility of TIC, GBP on 16th May 2023.



22 students along with 3 teachers from Institution's Innovation Council, Dudhnoi College visited the facilities of GBP on 19th May 2023. The students, from both science and arts streams, showed immense interest in various scientific endeavors and bio-entrepreneurship.

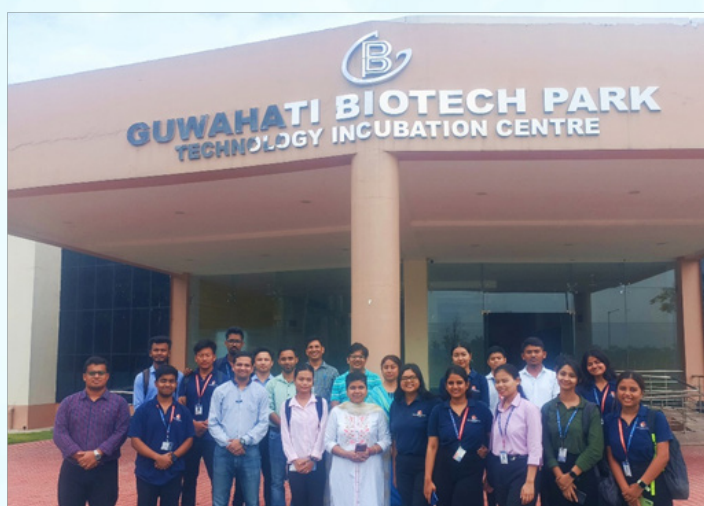


Sixth Semester students along with faculties of Department of Botany, Bhattadev University, Bajali visited TIC, GBP with special focus on the Fermentation facility of TIC, GBP on 10th May 2023.



A group of students from the Department of Zoology, Gauhati University, visited GBP for an exposure visit on 16th June 2023. The students got to see the Technology Incubation Centre and the various equipment that we use for biotechnology research and innovation.

A group of students from Department of Microbiology, Royal Global University, Guwahati visited GBP on 9th June, 2023. They visited TIC GBP and learned about our state-of-the-art equipment facilities and wide range of entrepreneurial supports.



Graduate students from the Department of Botany, Lumding College, Hojai, Assam visited GBP on 3rd June, 2023. They learned about our facilities, projects and initiatives and interacted with our experts.



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