



Monthly Newsletter of Guwahati Biotech Park

*today*

Volume 2 | No. 3 | Issue March 2018

## INTERNSHIP

### Theme : Bio-molecule Profiling

The 5th batch of interns of 2017-18 season comprising 23 intern students have done their internship project work at GBP from 5<sup>th</sup> March, 2018 in the area of 'Biomolecule Profiling' under the supervision of Dr. Madan Gopal Barthakur, Senior Scientist, GBP. This intern group is from Asian Institute of Science & Technology (AIMT) (under GU) and the interns are, Dhriendra Nath Hazarika, Meenakshi Baruah, Poulomi Chakraborty, Farhanaz Sultana, Debosmita Dutta, Nabarun Saikia, Johnmoni Roy, Priyanka Das, Priyanka Saikia, Neeha Sarma, Raja Chakma, Thanglun Chung Lhouvum, Sanjeev Mandal, Haina Boro, Sivam Basak, Biswajyoti Kar, Kabyashree Deka, Khyati Goswami, Debarati Ghose, Intiaza Sultana, Kalpa Jyoti Deka, Amlanjyoti Dhadumiya and Dipjyoti Das.

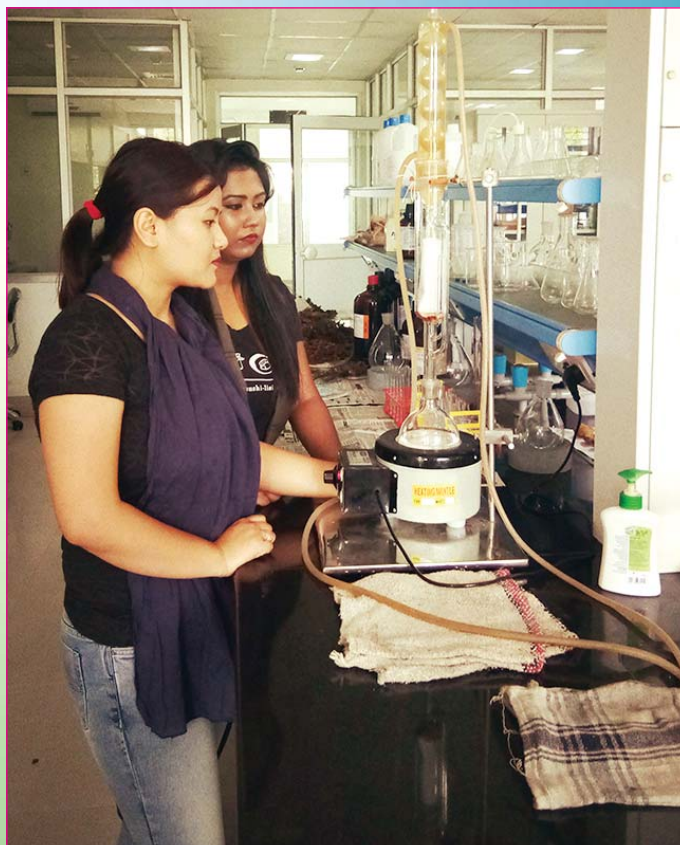


*Dr. Madan G. Barthakur, SS, GBP, Dr. Rajiv Chandra Dev Goswami, RA, GBP, Mr. Prajjalendra Barooah, RA, GBP, Mr. Kamal Gauli, LA, GBP and Mr. Jintu Rajbonshi, LA, GBP with intern students on Biomolecule Profiling from AIMT Guwahati*





*Intern students during their work  
on Biomolecule profiling at GBP*



*Students from GUIST  
during their work at GBP*

The project work is based on extraction of few plant species of Assam and profiling of molecules present in the extracts. The plant species taken up are either having traditional medicinal use or expected to contain potential medicinal compounds. The internship course comprises of laboratory techniques and R&D skills on solvent extraction (Soxhlet, Sonication etc), chromatographic separation, use of high-end analytical instruments like Gas Chromatography Mass Spectrometry (GC-MS) etc for molecular profiling and an overall training on good laboratory practices.

Ms. Tridisha Bhuyan and Ms. Pratima Sonowal from Gauhati University Institute of Science and Technology (GUIST), Branch-Biotechnology, 8<sup>th</sup> Semester are doing their 2 months final semester internship project work in the area of Biomolecule Profiling under the supervision of Dr. Madan Gopal Barthakur, Senior Scientist, GBP.

### **Industrial visit by Intern students on 9<sup>th</sup> March 2018**

The GBP intern students were taken to an Industrial visit to Sun Pharmaceutical Industries Ltd., Palashbari-Mirza Rd, Kamrup on 9<sup>th</sup> March 2018. The tour was coordinated by Dr. Madan Gopal Barthakur, Senior Scientist, GBP accompanied by Dr. Rajiv Chandra Dev Goswami, Research Associate, GBP and Mr. Kamal Gauli, Laboratory Attendant, GBP.



The team visited the Oral Solid Dosage (OSD) block, High Shear Granulation Area (HSG), washing area, compression, capsulation and coating area, IPQA (In-Process Quality Assurance)/ IQPC (In Process Quality Control System) areas. The team was familiarized to tablet/capsules quarantine, inspection and coating areas and the blistering machine, where final packaging is carried out.



*Dr. Madan G. Barthakur, SS, GBP, Dr. Rajiv Chandra Dev Goswami, RA, GBP and Mr. Kamal Gauli, LA, GBP with Intern students at Sun Pharmaceutical Industries Ltd.*

## Participation of GBP team in North East Food Pro 2018

A team of GBP comprising Dr. Rajiv Ch. Dev Goswami, RA, GBP, Shri Prajjalendra Barooah, RA, GBP, Shri Kamal Gauli, LA, GBP, Shri Jintu Rajbongshi, LA, GBP attended North East Food Pro, jointly organized by Ministry of Food Processing Industries (MOFPI), GOI and Indian Chamber of Commerce (ICC) on 6<sup>th</sup> March, 2018 at Hotel Lily, Khanapara, Guwahati. There was a brain storming session on opportunities in food processing sector with low cost and efficient technology, food safety, quality assurance, organic certification and modern packaging methods. Invited talks were delivered by representatives from ICC, Deptt of Horticulture and Food Processing, GOA, National Institute of Food Tech, Entrepreneurship & Management (NIFTEM), National Horticulture Board, SFAC, NABARD, Indian Institute of Food Processing and Technology (IIFPT) etc. Two BITP-NES trainees Ms. Rijumani Kalita and Ms. Vesapolu Hesuh also accompanied the team and attended the conclave.





*GBP team during North East Food Pro 2018, at Hotel Lily, Khanapara*

## State Science Award 2018

Science day celebration was conducted on 7<sup>th</sup> March, 2018 at NEDFi Convention Centre, Guwahati, organized jointly by S&T Deptt, GoA and ASTEC. The event also saw the distribution of State Science Award 2018 of Govt. of Assam.

The meeting was graced by the presence of Shri Sarbananda Sonowal, Honorable Chief Minister, Assam, Shri Keshab Mahanta, Honorable Minister, S & T Deptt, GOA and many other dignitaries. Three categories of scientific awards were conferred in the event which were: State award for life long achievement in scientific research and innovation, State award for young scientist/innovator and State award for promoting/ disseminating science among the masses

A team from GBP comprising Dr. Madan Gopal Barthakur, Senior Scientist, GBP, Dr. Rajiv Chandra Dev Goswami, Research Associate, GBP, Mr. Kamal Gauli, Laboratory Attendant, GBP and Mr. Jintu Rajbongshi, Laboratory Attendant, GBP, attended the event.



*Prof. Sarbeswar Bujarbarua (State award for life long achievement in scientific research and innovation), Dr. Arun Jyoti Borah (State award for young scientist/innovator) and Dr. N.C. Talukdar, Director, IASST, Guwahati along with GBP officials Dr. M.G. Barthakur, SS, Dr. R.Ch. Dev Goswami, RA, Mr. K. Gauli, LA, and Mr. J. Rajbongshi, LA at the event*



## Indian Science Congress 2018

Dr. Bula Choudhury, SS, GBP and Mr. Kamal Gauli, LA, GBP along with Ms. Priyalakshmi Devi representing Nubra Energy Pvt. Ltd. participated in the Indian Science Congress – Pride of India Exhibition held on 16-20 March 2018 at Imphal, Manipur.

The team displayed all the facilities of GBP by participating in the Pride of India Exhibition of ISC. The event was inaugurated by Shri Narendra Modi, Hon'ble Prime Minister of India, in presence of Smti Najma Heptulla, Hon'ble Governor of Manipur, along with Shri N. Biren Singh, Hon'ble Chief Minister of Manipur.

The team met Prof. Adyaprasad Pandey, Hon'ble VC of Manipur University and informed him about the facilities of GBP. Scientist and students of various fields visited GBP's stall and enquired about future scope of association with GBP.



*Dr. B. Choudhury, SS, GBP, and Mr. K. Gauli, LA, GBP and Ms. P. Devi at GBP's Stall at ISC 2018-POI Exhibition, Imphal Manipur*

### Visit to IBSD Imphal and CSIR-NEIST Branch Laboratory – Imphal Manipur (BLIM) :

During the tour the team also visited Institute of Bioresources and Sustainable Development (IBSD), Imphal, Manipur and met various scientists, Students and Scholars. The team also visited Microbial Repository Lab and the newly inaugurated Business Incubation Centre for entrepreneurs at IBSD.

The team visited CSIR –NEIST Branch Laboratory – Imphal Manipur and met Dr. H.B. Singh, Principal Scientist. They discussed the possibility of association with GBP and also visited the skill development training center.



*Dr. B. Choudhury, SS, GBP, and Mr. K. Gauli, LA, GBP during their visit to IBSD & CSIR-NEIST Branch Laboratory – Imphal, Manipur*



## Visit by Joint Secretary & Director of Directorate of S&T

Smti Kinmei Changsan, ACS, Joint Secretary & Director of Directorate of S&T GoA, visited construction site of GBP's upcoming TIC at Amingaon campus on 21<sup>st</sup> March 2018 and took stock of the progress of work at the site. Smti Changsan also visited GBP's temporary premises at IIT Guwahati.



*Smti K. Changsan, ACS, Joint Secretary, S&T, GoA during her visit to at GBP's upcoming permanent site*



*Smti K. Changsan, ACS, Joint Secretary, S&T, GoA with GBP staff at IIT Guwahati campus*

## Invited Talk at GIPS

Dr. Bula Choudhury, Senior Scientist, GBP was invited for a talk in the "Seminar on woman entrepreneurship a tool for gender sensitization and woman empowerment" on 7<sup>th</sup> March 2018 at Girijananda Chowdhury Institute of Pharmaceutical Science (GIPS), Azara, Guwahati.



*Dr. Bula Choudhury, SS, GBP receiving a memento from Prof. Gouranga Das, Principal I/c, GIPS, Azara*

## Invited Talk at AIMA

Dr. Madan Gopal Barthakur, Senior Scientist, GBP delivered an invited talk at Asian Institute of Management & Technology (AIMT) on 29<sup>th</sup> March, 2018 on the topic 'Biotechnology: A Sustainable Technology for a Sustainable Future'.



*Dr. M.G. Barthakur, SS, GBP during his talk at AIMA, Guwahati*



*Dr. M.G. Barthakur, SS, GBP along with teachers and students of AIMA Guwahati at the end of his talk*

## One-day Workshop on Innovation & Biotech Park at Assam Administrative Staff College

A One-day Workshop on Innovation & Biotech Park at Assam Administrative Staff College was organized by Centre for Innovation and Future studies (CI & FS) Assam Administrative Staff College in collaboration with Guwahati Biotech Park on 28<sup>th</sup> March, 2018.

Smti Kimnei Changsan, ACS, CEO (I/c,) GBP, Joint Secretary, Science and Technology Deptt. Govt. of Assam, Shri Lakhinandan Saharia, ACS, Administrator, GBP, IITG, SDO, Sadar, Kamrup, Dr. Bula Choudhury, Senior Scientist, GBP, Dr. Madan Gopal Barthakur, Senior Scientist, GBP, Dr. Rajiv Chandra Dev Goswami, Research Associate, GBP, Mr. Prajjalendra Kumar Barooah, Research Associate, GBP, Mr. Kamal Gauli, Lab. Attendant, GBP Mr. Jintu Rajbongshi, Lab. Attendant, GBP and Vesapolu Hesuh, BITP-NES trainee at GBP were present during the program.





*Smti K. Changsan, ACS, Joint Secretary, S&T, GoA delivering her speech at Administrative Staff College, Khanapara, Guwahati*

The program started with the inaugural session, in presence of Dr. R. M. Dubey, IFS (Retd), Head (I/c), CI&FS, Shri Gokul Mohan Hazarika, IAS, Director Training, Smti Kimnei Changsan, ACS, CEO (I/c), GBP, Joint Secretary, S&T Deptt. Govt. of Assam. The workshop hosted by Smti Rituparna Chakraborty, ACS, Joint Director & Course Director, AASC, which incorporated valuable

lectures and presentations by many eminent persons from various Organizations, Institutes, Universities, Departments etc from the state.

The inaugural session was followed by presentations by Dr. Dipankar Saharia, Director, TERI, Smti Kimnei Changsan, ACS, CEO (I/c), GBP, Joint Secretary, S&T Deptt., GoA, Dr. N. C. Talukdar, Director, IASST, Mr. Amitabh Mishra, Sr. Manager (Biotech), NRDC, New Delhi, Dr. Ranadeep Gogoi, Asstt. Prof. & I/c, Deptt. of Biotechnology, NIPER, Guwahati, Dr. Chhaya Chauhan, Manager, Incubation, BIRAC, Govt. of India, Dr. Supriyo Sen, Asstt. Prof, Assam Don Bosco University, Dr. Madhumita Barooah, Professor, Deptt. of Agri Biotechnology, AAU, Dr. Dandadhar Sarma, Professor, Deptt. of Zoology, Gauhati University.



*GBP team members and students participating in the workshop on Biotech Park & Innovation at Assam Administrative Staff College, Guwahati*

At the concluding session, the summary of the workshop was delivered by Shri Lakhinandan Saharia, ACS, Administrator, GBP & SDO, Sadar, Kamrup.

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