



Monthly Newsletter of Guwahati Biotech Park



GUWAHATI  
BIOTECH PARK

Discovering Through Partnership

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*today*

## Guwahati Biotech Park's participation in 106<sup>th</sup> Indian Science Congress - Pride of India Expo 2019

A delegation of Science & Technology Department, Govt. of Assam and GBP, comprising of Smt. Kimnei Changsan, ACS, Joint Secretary to S&T Department, Govt. of Assam, Dr. Rajiv Chandra Dev Goswami, Research Associate, and Mr. Prajjalendra Kr Barooah, Research Associate, GBP, participated in the 106<sup>th</sup> Indian Science Congress - Pride of India Expo 2019, during 3<sup>rd</sup>-7<sup>th</sup> January 2019. GBP had put up the biotechnology stall at the exhibition.

The stall mainly aimed at highlighting the park's various activities and components viz: Incubation Centre, Business Enterprise Zone, Business Support Facility & Consultancy Cell and also the upcoming permanent campus and incubation centre of GBP at Amingaon, Guwahati. The stall gathered a large number of visitors from various institutions and students who were eager to learn about the facilities and opportunities available for research and training at GBP.

During the event GBP was adjudged as Best State and felicitated at the concluding ceremony by Vice Chancellor, LPU, Phagwara, Punjab and other invited dignitaries.



Smt. K. Changsan, ACS, JS, S&T Dept, GoA, Dr. R. Ch. Dev Goswami, RA, and Mr. P. K. Barooah, RA, GBP, at the 106<sup>th</sup> ISC-Pol Expo 2019

## Guwahati Biotech Park's participation at BIO ASIA 2019

Bio Asia 2019 is Asia's largest Biotechnology and Life-sciences forum and the annual flagship event of the Government of Telangana. It was held from February 25-27<sup>th</sup> 2019, at HICC, Novotel, Hyderabad, wherein Government of Assam was one of the State Partners. The event was successfully concluded with insightful deliberations by global leaders of Life Sciences and healthcare. A delegation team from GBP represented Government of Assam during the event comprising of the following officials.

1. Shri Omar Ali Badshah, ACS - Deputy Secretary Govt. of Assam, Science & Technology Department and Administrator, GBP
2. Dr. Madan Gopal Barthakur- Senior Scientist, GBP
3. Dr. Kumar Saurav Dey, Technical Officer, GBP
4. Mrs. Monsumi Gogoi, Administrative Officer, GBP
5. Mr. Hemen Das, Marketing Officer, GBP

GBP participated as exhibitor at the Bio Asia 2019 Exhibition of Global Biotech Meet wherein an 18 sq/mtr stall was put up. GBP's stall saw great numbers of participation by delegates and visitors from Healthcare, Biotech, Pharma, Life-Sciences, IT, Academia and Start-ups representing over 50 countries. Over 100 high profile speakers and Corporates also visited GBP's stall. A number of partnering meetings were undertaken by the GBP officials on the sidelines of the exhibition leading to identification of key strategic collaborators and probable MoUs that may be executed between interested organizations and GBP. The team also visited ICRISAT, Patancheru on 28<sup>th</sup> Feb 2019 which is an agriculture research center for semi-arid regions. The team had the opportunity to learn about ICRISAT's research - creating smart foods, watershed crop production, agriculture that benefits farmers and consumers.



*GBP team during their participation at BioAsia 2019*



## North East Innovators Meet and Technology Innovation Entrepreneurship (TIE) Expo 2019

GBP participated in the North East Innovators meet 2019 and Technology Innovation Entrepreneurship Expo 2019 organized by State Science and Technology & Environment, Meghalaya held at the Convocation Hall, NEHU Shillong on 28<sup>th</sup> Feb – 1<sup>st</sup> March 2019. Dr. Bula Choudhury, SS, GBP coordinated and participated in the program along with Shri Prajjalendra Kr Barooah, RA, GBP and Shri Kamal Gauli, LA, GBP on 28<sup>th</sup> Feb 2019 and Dr Rajiv Ch. Dev Goswami, RA, GBP and Mr Jintu Rajbongshi, LA, GBP on 1<sup>st</sup> March 2019.

A team from Ms. Oujia Biosolutions (an incubatee of GBP) also accompanied GBP team for participating in the event. The whole team will display flex, standees, brochures etc. of GBP and Fermentation Technology of agar oil production, agar wood, photos and other display materials of Ms. Oujia Biosolutions in the event.



*GBP officials and team from Oujia Biosolutions Pvt Ltd at Technology Innovation Entrepreneurship Expo 2019 at NEHU Shillong*

## Recent Update

Shri Hemen Das, ACS, Secretary, Science and Technology Department and Social Welfare Department, Government of Assam has taken charge as Chief Executive Officer, Guwahati Biotech Park, with effect from 28<sup>th</sup> Jan 2019

## New Incubatee at GBP

Dr. Swapnil Sinha, BIRAC- BIG Grantee, has joined GBP as an incubatee on 30<sup>th</sup> Jan 2019. Her team will be working on the project proposal: "An inexpensive DNA based diagnostics kit for early detection of Urinary Tract Infections"

## Internship

### Theme- Biomolecule Profiling

28 students have done their project work & internship work at GBP in the area of Biomolecule profiling during the period of Jan-March 2019 under the supervision of Dr. Madan Gopal Barthakur, Senior Scientist, GBP. The program also had associate-supervision of Dr. Rajiv Ch. Dev Goswami, RA, Mr. Prajjalendra Barooah, RA and assistance from Mr. Kamal Gauli, LA and Mr. Jintu Rajbongshi, LA, GBP.

### Project Work:

Student who undertook the project work were Nabajyoti Nath, B.Tech-M.Tech (Dual), Biotech, 8<sup>th</sup> Sem, Amity Institute of Biotechnology, Rajasthan - 6 months; Jan-June, 2019; Rashmi Rani Boro, M.Sc (Biotech) 4<sup>th</sup> Sem; - 3 months; Jan-March, 2019; Hiranya Chaudhary, M.Sc (Biotech) 4<sup>th</sup> Sem; - 1 month; Jan-Feb, 2019



*Dr. M. G. Barthakur, SS, Dr. R.Ch. Dev Goswami, RA and Mr. K. Gauli, SA with project students on Biomolecule profiling*

### 13<sup>th</sup> Batch:

Nilotpal Saharia; Rima Barman; Parbin Sultana Easmin; Shahida Begom; Mustak Ahmed; Dikshita Roy; Mridusmita Kalita; Saddam Hussain Ahmed; Jasmina Parbin; Md. Illiad; Elias Khan; Amir Uddin Sk; Md. Nekmol Alom; Nabajit Das; Moscoranee Baruah from MSc (Chem), 4<sup>th</sup> Sem, University of Science & Technology Meghalaya (USTM) - 1 month; Jan-Feb, 2019



*Dr. M. G. Barthakur, SS, Dr. R.Ch. Dev Goswami, RA, Mr. P. Barooah, RA, Mr. J. Rajbongshi, SA and Mr. K. Gauli, SA with students of the 13th batch of Internship on Biomolecule profiling*

### 14<sup>th</sup> Batch:

Madhushruti Borah, Prerna Jain & Drina Dori Gogoi- BSc (Biotech), 2<sup>nd</sup> Year, Cotton University & Novelina Sarmah, Bhagyashri Rabha & Bhaskar Saikia; BSc (Biochemistry), 4<sup>th</sup> Sem., St. Anthony's College - 2 Weeks; Jan 2019



*Dr. M. G. Barthakur, SS, Mr. J. Rajbongshi, SA and Mr. K. Gauli, SA with students of the 14th batch of Internship on Biomolecule profiling*





*Dr. M. G. Barthakur, SS, and GBP Staff with students of the 15th batch of Internship on Biomolecule profiling*

## 15<sup>th</sup> Batch:

Pragati Chutia, Smriti Rekha Chutia, Aditi Hazarika, Moucham Borpatra Gohain, M.Sc Chemistry; Royal Global University, Guwahati – 4 weeks; Feb 2019

The internship on Biomolecule Profiling & Herbal Extraction involves extraction of compounds from a few plant species of Assam & Meghalaya- a few plants having prospective medicinal values and some plants with known medicinal value. This internship course comprises of laboratory techniques and R&D skills on solvent extraction (Soxhlet extraction), chromatographic separation, use of high-end analytical instruments like Gas Chromatography Mass Spectrometry (GC-MS) for molecule profiling and an overall training on good laboratory practices.

## Industrial Visit



*Internship students during their industrial tour to Pure & Cure Healthcare Pvt. Ltd., Rampur, Kamrup*

A group of intern students at GBP working on Biomolecule Profiling area were taken to an Industrial Visit to Pure & Cure Healthcare Pvt. Ltd., (ACUMS Group), Rampur, Kamrup, a pharmaceutical manufacturing company on 16<sup>th</sup> March, 2019. The visit was to provide the interns an industrial scale manufacturing, quality control & marketing. The visit was mentored & coordinated by Dr. Madan Gopal Barthakur, Senior Scientist & Supervisor of the intern program on Bio-prospecting, GBP, Dr. Rajiv Ch. Dev Goswami, RA, GBP & Mr. Kamal Gauli, LA, GBP.

## BCIL-BITP

Mr. Nihar Ranjan Das, M.Sc, Biotechnology & Bioinformatics, Center for Studies in Biotechnology & Bioinformatics, Dibrugarh University has joined KKS an incubate of GBP from 19<sup>th</sup> February 2019 to 3<sup>rd</sup> June 2019 under the Biotech Industrial Training Programme for North Eastern States Students (BITP-NES) 2018-19.

## Theme - Basic Techniques on Molecular Biology, Microbiology and Imaging

15 students have done their project work & internship work at GBP in the area of Basic Techniques on Molecular Biology, Microbiology and Imaging during the period of Jan-March 2019 under the supervision of Dr. Bula Choudhury, Senior Scientist, GBP, Dr. Rajiv Ch. Dev Goswami, RA, GBP, Mr. Prajjalendra Barooah, RA, GBP, and assistance from Mr. Kamal Gauli, LA and Mr. Jintu Rajbongshi, LA, GBP.

### Project Work:

Abinash Kumar, B. Tech (Biotechnology), 8<sup>th</sup> Sem, Karunya Institute of Technology and Sciences, Coimbatore- 3 months, Jan-March 2019, Shimakshi Borman, Kanika Nath, MSc (Biotechnology), 4<sup>th</sup> Sem, Pandu College, Guwahati- 1 month, Jan 2019. Topic: In-vitro antidiabetic, antioxidant and GCMS profiling of few traditional plants of Assam

### 12<sup>th</sup> batch:

Himakhi Borgohain, MSc (Biotechnology), 1<sup>st</sup> year, Mizoram University, Nitisha Baruah, Chandana Bhuyan, Rupsikha Goswami, Chinmoyee Borah, BSc (Biochemistry), 2<sup>nd</sup> Sem, St Anthony's College, Shillong, Novelina Sarmah, Bhagyashri Rabha, BSc (Biochemistry), 4<sup>th</sup> Sem, St Anthony's College, Shillong, Bhaskar Saikia, BSc (Biochemistry), 3<sup>rd</sup> Sem, St Anthony's College, Shillong and Rishiraj Das, MSc St Anthony's College, Shillong- 2 weeks; Jan, 2019

### 13<sup>th</sup> batch:

Manasi Kaurinya, Barsha Chetri, Ravi Kant Yadav, Anita Thapa, Thangmuanpau Khuptong, Surajita Sarmah, B.Sc (Biochemistry) 6<sup>th</sup> Sem, St. Edmund's College, Shillong



*Dr. Bula Choudhury, SS, GBP, Dr. R.Ch. Dev Goswami, RA, Mr. P. Barooah, RA, Mr. J. Rajbongshi, LA with project students*



*Dr. B. Choudhury, SS, Dr. M. G. Barthakur, SS, Mr. J. Rajbongshi, LA and Mr. K. Gauli, LA with students of the 12<sup>th</sup> batch of Internship on Basic Techniques on Molecular Biology, Microbiology and Imaging*



*GBP officials with students of the 12<sup>th</sup> batch of Internship on Basic Techniques on Molecular Biology, Microbiology and Imaging*



## Short Term Training Program on Analytical Instruments & their applications (GCMS & HPLC)

GBP organized two Short Term Training programs on Analytical Instruments & their applications (GCMS & HPLC) during 21<sup>st</sup> - 22<sup>nd</sup> January, 2019 & 7-8<sup>th</sup> February, 2019 at the Central Analytical Instrumentation Facility of GBPIC. This certificate program is aimed at providing hands on exposure on the application of sophisticated instruments like GCMS & HPLC.



*Participants of the First Short Term Training Program on Analytical Instruments & their applications with GBP staff*



*Participants of the Second Short Term Training Program on Analytical Instruments & their applications with GBP staff*

## Silver Jubilee Celebration Lecture of TERI

Dr. Madan Gopal Barthakur, Senior Scientist was attended Silver Jubilee Celebration Lecture of TERI Northeastern Regional Centre in Guwahati on 22<sup>nd</sup> January, 2019. Dr. Barthakur was also nominated as the Liasoning Officer, from GOA to Secretary, Department of Biotechnology, GoI. The Silver Jubilee Celebration Lecture was given by Dr. Renu Swaroop, Secretary, DBT, GoI where Dr. Ajay Mathur, Director General, TERI; Dr. Mridul Hazarika, VC, Gauhati University; Dr. Vibha Dhawan, Senior Director, TERI; and Dr. Dipankar Saharia, Director, TERI NE Regional Centre were present.



*Dr. R. Swaroop, Secretary, DBT, Dr. A. Mathur, DG, TERI; Dr. M. Hazarika, VC, GU; Dr. V. Dhawan, Director, TERI; and Dr. D. Saharia, Director, TERI NE Regional Centre and Dr. M.G. Barthakur, SS, GBP at Silver Jubilee Celebration Lecture of TERI Northeastern Regional Centre*

## Dr. Mukut Gohain, Senior Scientist, R&D, CPT Ltd visited GBP

Dr. Mukut Gohain, Senior Scientist, R&D Division, CP Technologies Ltd., Pretoria, South Africa visited GBP on 19<sup>th</sup> Jan, 2019. He is also the advisor to a new start-up venture of Assam namely Caliche Pvt. Ltd. Dr. Gohain visited the facilities of GBP and interacted with GBP staff, incubates and intern students at GBP. Debajit Kalita, Research Scientist & Head-R&D, Caliche Pvt. Ltd also accompanied Dr. Gohain.



*Dr. Mukut Gohain along with internship students and GBP staff during his visit at GBP*

## Prof. Pramod Tandon, CEO, Lucknow Biotech Park visited GBP

Prof. Pramod Tandon, CEO, Lucknow Biotech Park visited GBP on 15<sup>th</sup> Feb, 2019 and interacted with the staff of GBP and in-house incubates at GBP. Dr. Tandon, while witnessing the facilities & acknowledging the activities of GBP expressed his pleasure and satisfaction at the growth of GBP in the past few years.



*Prof. Pramod Tandon, CEO, Lucknow Biotech Park & GBP staff during his visit at GBP*

## Republic Day Celebration



*National flag was hoisted at GBP office premises on the proud occasion of 70<sup>th</sup> Republic Day of India.*

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