

CSIR-North East Institute of Science & Technology, Jorhat
Connecting Science & Technology for a Brighter Tomorrow

CSIR-NEIST organized seminar on Natural Resource Management in association with CRSI-NE Chapter, MRSI-NE chapter and IIME-NE chapter



Dr Samit Chattopadhyay, Director, CSIR-NEIST delivering welcome address during the inaugural session. Other dignitaries seated on the dais are (from right), Dr D Ramaiah, Former Director, CSIR-NEIST; Prof T C Rao, Former Director, CSIR-AMPRI, Bhopal; Dr P G Rao, CSIR Distinguished Scientist and Shri S C Kalita, Chief Scientist & Chairman, Organising Committee.

A one-day seminar on 'Natural Resources Management for Sustainable Development of North East India' was held at CSIR-NEIST under the aegis of CSIR-Aroma Mission, Indian Institute of Mineral Engineers-NE chapter, Chemical Research Society of India- NE chapter and Materials Research Society of India- NE chapter on 26 November 2018. Prof T C Rao, Former Director, CSIR-AMPRI, Bhopal graced the inaugural session as Chief Guest and inaugurated the seminar by lighting the ceremonial lamp in presence of Dr P G Rao, Guest of Honour and other dignitaries like Dr Samit Chattopadhyay, Director, CSIR-NEIST; Dr D Ramaiah, Former Director, CSIR-NEIST. In his welcome address, Dr Chattopadhyay spoke about the importance of resource management in the context of a biodiversity rich region like North East India. He further spoke about various R&D activities in the institute including Aroma Mission, Phytopharma Mission of CSIR, and the STINER Project (Science and Technology Intervention in North-East Region) funded by the DONER Ministry. Mr S C Kalita, Chief Scientist and Chairman, Organising Committee gave a brief introduction on the need to



Prof T C Rao, CSIR-AMPRI, Bhopal delivering the first lecture of the seminar on the topic, 'Natural Resources Management for Sustainable Development of North East India'.

conduct the seminar to discuss on judicious use and proper management of natural resource to prevent its exploitation, destruction or degradation. He also mentioned that the seminar was organized in honour of superannuation of Dr P Sengupta, Chief Scientist and Dr P J Bhuyan, Sr Principal Scientist from CSIR service on 30 November 2018. Dr P G Rao, in his address said that natural resource and its management is an evergreen topic that is still important today as we have not attained the best utilization of the natural resources. He further said that it is important to keep involving and an Institute like CSIR-NEIST has a greater role to play. Prof T C Rao stressed on the importance of the theme for the seminar and hoped that the seminar brings out new ideas and ways for better management of the resources around. Dr D Ramaiah talked about CSIR-NEIST's activities in the region and urged that the Institute continue to reach out to the unreached areas of not only the region but the country as a whole. The one-day seminar covered 6 invited lectures delivered by eminent scientists like Prof T C Rao; Dr P G Rao; Dr K Balasubramanian, Director, Nonferrous Materials Technology Development Centre, Hyderabad; Dr P Manivel, Director-in-charge, ICAR-Directorate of Medicinal & Aromatic Plants Research, Anand, Gujarat; G N Jadhav, Professor, Department of Earth Sciences, IIT, Bombay and Dr Dibakar Chandra Deka, Professor,

Never regret a day in your life. Good days give you happiness and bad days give you experience.

Anonymous

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Dept. of Chemistry, Gauhati University. The first lecture was delivered by Prof T C Rao on the topic, 'Natural Resources Management for Sustainable Development of North East India'. Dr P G Rao deliberated on the topic, 'Natural Resources Management for Sustainable Development of NE region of India and role of CSIR-NEIST'; Dr K Balasubramanian delivered his lecture on the topic 'Concept to products (some lessons)'; Dr P Manivel deliberated on 'High yielding varieties of Medicinal and Aromatic plants'; Dr G N Jadhav discussed about mineral resources on his chosen topic, 'Role of ore-petrology and ore structure'. Dr Dibakar Chandra Deka, delivered his lecture on the topic, 'Value addition to banana farming- Potential applications of banana plant'. Scientists and researchers from CSIR-NEIST attended the one-day seminar. Later on the day, a felicitation programme was held in honour of Dr P Sengupta and Dr P J Bhuyan wherein the dignitaries along with CSIR-NEIST family felicitated the superannuating colleagues.

Training programme held under CSIR Aroma Mission

CSIR-NEIST branch lab, Itanagar organized a training programme on 'Cultivation and processing of aromatic plants' under CSIR Aroma Mission on 10 November 2018 at its premises. Dr Mohesh Chai, Hon'ble Minister of Agriculture, Animal Husbandry, Veterinary and Dairy Development, Horticulture, Fisheries, Sport & Youth Affairs, Govt. of Arunachal Pradesh graced the occasion as Chief Guest and inaugurated an Essential Oil Distillation Unit of 500/Day capacity which has been installed to cater to the needs of the beneficiaries (of the Mission) and local entrepreneurs. Dr Joram Begi, Chief Information Commissioner attended the programme as Guest of Honour. Dr P Sengupta, Scientist-in-charge, CSIR-NEIST delivered the welcome address and presented an overview of the Institute's activities in NE region and particularly in the state of Arunachal Pradesh. The programme was also attended by other dignitaries like Shri T Gopak, CEO, Arunachal Pradesh State Medicinal Plants Board and Prof Utpal Bora, Dept. of Biosci-

ence & Bioengineering, IIT, Guwahati who discussed the importance of Biodiversity conservation, organic farming and related issues. Dr Mohan Lal, Scientist, CSIR-NEIST and Dr B C Baruah, Sr Technical Officer, Branch lab-Itanagar provided the training to about 100 farmers and beneficiaries from different parts of Arunachal Pradesh.



Dr P Sengupta, Scientist-in-charge, CSIR-NEIST felicitating Dr Mohesh Chai, Hon'ble Minister of Agriculture, Animal Husbandry, Veterinary and Dairy Development, Horticulture, Fisheries, Sport & Youth Affairs, Govt. of Arunachal Pradesh on the occasion in presence of other dignitaries and the participants of the training programme.

CSIR-NEIST signed MoU with Innovative Change Collaborative Organization (ICCo), New Delhi



Dr P Sengupta, Scientist-in-charge, CSIR-NEIST exchanged the MoU with Alay Borah, Executive Director, ICco, New Delhi in presence of CSIR-NEIST staff and other members from ICco.

CSIR-NEIST signed a Memorandum of Understanding with Innovative Change Collaborative Organization (ICCo), New Delhi on 8 November 2018 for spreading awareness on potential technologies developed by CSIR-NEIST for MSME industries and entrepreneurship development in NE region.

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Awards/Accolades

Dr Mohan Lal, Scientist receives Dr R B Ekbote Award 2018

Dr Mohan Lal, Scientist, MAEP Group has been conferred the prestigious Dr R B Ekbote Award for 2018 in recognition of his significant research contribution in the area of Medicinal and Aromatic Plants. The Dr R B Ekbote Prize is instituted by R N Nagarkar Foundation and administered by Maharashtra Association for the Cultivation of Science, Pune. The award carries a cash amount of Rs.5000/- and a Citation. The award was presented by Dr D R Bapat, President, Maharashtra Association for the Cultivation of Science on 18 November 2018 to Dr Lal on Founder's Day function.



Dr Mohan Lal,
Scientist

Ms. Jijnasa Bordoloi, Research Fellow receives NSI Prize for Best Oral Presentation

Ms. Jijnasa Bordoloi, Junior Research Fellow, Biotechnology Group has been awarded the prestigious NSI Prize for Best Oral Presentation in Free Communications Session on Experimental Nutrition at the 50th Annual International Conference of the Nutrition Society of India held during 15-17 November 2018 at ICMR-National Institute of Nutrition, Hyderabad. Ms. Bordoloi is currently pursuing her Ph D under the supervision of Dr Prasenjit Manna, Ramalingaswami Fellow and Dr Jatin Kalita, Pr Scientist.



Ms. Jijnasa Bor-
doloi, JRF

Honour/Recognition

Dr Debasis D Mohanty, Scientist, Geosciences & Technology Division has been elected the main convener for the prestigious forthcoming Asia Oceania Geosciences Society (AOGS), Solid Earth Ses-



Dr Debasis D Mo-
hanty, Scientist

sion(SE07) to be held during 29 July-05 August 2019 at Singapore.

Papers published

In International Peer Reviewed Journals

- Ghosh S, Roy A, Singhania A, Chatterjee S, Swarnakar S, Fujita D, Bandyopadhyay A: In-vivo in-vitro toxicity test of molecularly engineered PCMS: A potential drug for wireless remote controlled treatment, *Toxicology Reports*, 2018, 5 p: 1044-1052
- Gogoi K, Manna P, Dey T, Kalita J, Unni B G, Ozah D, Baruah P K: Circulatory heavy metals (cadmium, lead, mercury, and chromium) inversely correlate with plasma GST activity and GSH level in COPD patients and impair NOX4/Nrf2/GCLC/GST signaling pathway in cultured monocytes, *Toxicology In Vitro*, 2019, 54 p: 269-279
- Sharma K, Das B, Gogoi P: Synthesis of pyrrolo[3,4-c]quinoline-1,3-diones: a sequential oxidative annulation followed by dehydrogenation and N-demethylation strategy, *New Journal of Chemistry*, 2018, 42(23), p: 18894-18905. **Highest Impact Factor Paper (IF: 3.201)**

In National Peer Reviewed Journals

- Dutta D K: Carbonylation of methanol to produce acetic acid: a versatile reaction to study, *Journal of the Indian Chemical Society*, 2018, 95(7), p: 879-892

Farewell

The following member(s) of the staff have retired from Council's service on superannuation from CSIR-NEIST w.e.f 30 November 2018.

- Dr Pinaki Sengupta, Chief Scientist
- Dr Pulak J Bhuyan, Sr Principal Scientist
- Mr Prakash Bordoloi, Sr Stenographer