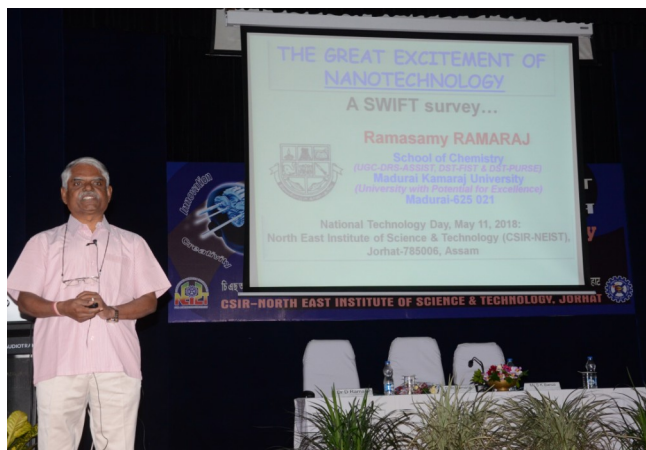


CSIR-North East Institute of Science & Technology, Jorhat
Connecting Science & Technology for a Brighter Tomorrow

CSIR-NEIST celebrated National Technology Day



Dr R Ramaraj (in top photo), Emeritus Scientist, Dept. of Chemistry, Madurai Kamaraj University, Tamil Nadu delivering Technology Day Lecture as Chief Guest. Shri S K Barua (in above photo), Managing Director, Numaligarh Refinery Limited, Assam addressing the gathering as Guest of Honour.

CSIR-NEIST celebrated National Technology Day with much enthusiasm on 11 May 2018. Befitting the occasion, the Institute organized a special function at Dr J N Baruah Auditorium wherein Dr R Ramaraj, Emeritus Scientist, Dept. of Chemistry, Madurai Kamaraj University graced the occasion as Chief Guest while Shri S K Barua, Managing Director, Numaligarh Refinery Limited was present as Guest of Honour. Delivering the Technology Day Lecture on the topic, 'The Great Excitement of Nanotechnology', Dr Ramaraj spoke about the vast scope of Nanotechnology and its applications. He shared his experiences in nanoscience and



Dr D Ramaiah, Director, CSIR-NEIST handing over the agrotechnology package of Jor Lab L-8 to Mr Pramod Kedia, Head-Business Development, M/s Mphinite Solutions Pvt.Ltd., Bangalore in presence of the dignitaries and technology team members.

nanotechnology and mentioned some of the potential developments in the field over the period of time. Shri S K Barua in his address stressed upon having a strong research-industry interface to channelize the outcomes of research towards industrial needs. He expressed an interest for more tie ups between NRL and CSIR-NEIST while mentioning some successful projects undertaken in the past between the organizations. He mentioned the various current activities of NRL and highlighted the project on setting up of the first Bio Refinery in India wherein CSIR-NEIST may collaborate. He also mentioned the various areas in oil and gas sectors including separation of micro-crystalline sludge for collaboration with CSIR-NEIST. Earlier, Dr D Ramaiah, Director, CSIR-NEIST in his welcome address spoke about major technologies transferred by the Institute so far and mentioned that the year 2017-18 has been significant in terms of the increased number of technologies transferred for commercialization as compared to the previous 4/5 years. He informed that the 'Herbal formulation against Anti-Arthritis' is one successfully commercialized technology which has become a pan India product today. He also said about a new ongoing ambitious project with Oil India Limited, Duliajan for bioremediation of contaminated drill sites. On the occasion, two technologies viz., Improved Variety of Lemongrass (Jor Lab L-8) and

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Anonymous

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and Organic Fertilizer-SUFAL were transferred to three parties from Guwahati, Bangalore and Ghaziabad. Later, as a part of the celebration, the Institute observed 'Open Day' wherein the Institute was kept open for the visit of students and general public for a stipulated time. Several school students from Jorhat visited CSIR-NEIST and interacted with the scientists.

Dr D Ramaiah, Director, CSIR-NEIST elected as Founder Honorary Fellow of North East Academy of Science and Technology

The North East Academy of Science and Technology (NEAST), Aizawl has elected Dr D Ramaiah, Director, CSIR-NEIST as Founder Honorary Fellow on the eve of formation of NEAST



Dr D Ramaiah
Director, CSIR-NEIST

and in recognition of his significant contributions on 9 April 2018. After assuming the charge of Director, CSIR-NEIST in the year 2013, Dr Ramaiah has been actively involved in various activities for the development of NE region while putting particular emphasis on human resource development. He has been closely associated and played a key role in implementing various ambitious projects focusing on infrastructure development, S&T intervention for socio-economic development, etc. for the benefit of the Institute and the region as a whole. Dr Ramaiah also stressed on strengthening research-academy and research-industry relations while interacting closely with various state government bodies. CSIR-NEIST family extends hearty congratulations to Dr D Ramaiah for the recognition conferred by NEAST.

Swachhta Pakhwada observed at CSIR-NEIST

As a part of the Swachh Bharat Mission of the Govt. of India launched in the year 2016, CSIR-NEIST observed Swachhta Pakhwada at its premise during 1-15 May 2018 with an aim to bring col-

lective focus and participation of all in raising awareness on the importance of Swachhta. The cleanliness drive started with a pledge taking ceremony on 1 May 2018 by the staff and students which was administered by Dr D Ramaiah, Director, CSIR-NEIST at Dr J N Baruah auditorium. The two-week long programme included various activities aimed at creating swachhta awareness, swachh parisar, swachh paryavaran, swachh anubhag, swachh karyalay, swachh jal-swachh naam, swachh samwad and swachh ghar parivaar besides an essay competition among the staff. Various divisions/sections of the Institute actively participated in cleaning up the office and colony premises. A plantation drive in the colony was also held during the period. In his address at the concluding ceremony on 15 May 2018, Dr D Ramaiah encouraged all to spread awareness on the importance of cleanliness by setting examples and become a part of the Swachh Bharat Mission of the nation. He appreciated everyone for taking part in all the activities held under the programme.

Glimpses of the Swachhta Pakhwada programme held at CSIR-NEIST



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Glimpses of the Swachhta Pakhwada programme held at CSIR-NEIST



Dr D Ramaiah, Director, CSIR-NEIST planted a tree sapling during tree plantation drive on 5 May 2018.



CSIR-NEIST licensed herbal Mosquito repellent technologies for commercialization

CSIR-NEIST licensed its three technologies on Herbal Mosquito Repellent Vaporizer, Herbal Mosquito Repellent Spray and Herbal Mosquito Repellent Ointment as combo package on non-exclusive manner to M/s Kudos Laboratories India, New Delhi on 4 May 2018. Developed from the rich biodiversity of NE India, the products are safe and effective in repelling Mosquitoes while the vaporizer has significant knockdown activity. A team from M/s Kudos Laboratories visited CSIR-NEIST during 4-5 May 2018 for agreement signing and technology demonstration.

CSIR-NEIST also licensed its Herbal Mosquito Repellent Spray to M/s BIOME, Guwahati on 16 May 2018. Mr Purbashu Dutta, Proprietor, M/s BIOME visited CSIR-NEIST during 16-17 May 2018 for agreement signing and technology demonstration.



Dr D Ramaiah, Director, CSIR-NEIST exchanging the signed agreement with Mr Karan Goomar, Proprietor, M/s Kudos Laboratories India in presence of the technology team and other staff on 4 May 2018.



Dr D Ramaiah, Director, CSIR-NEIST handing over the technology package on Herbal Mosquito repellent Spray to Mr Purbashu Dutta, Proprietor, M/s BIOME, Guwahati in presence of the technology team and other staff on 16 May 2018.

CSIR-NEIST signed agreement under CSIR Aroma Mission

CSIR-NEIST signed an agreement with M/s North East Organic, Guwahati, Assam on 3 May 2018 with an aim to promote cultivation of Medicinal & Aromatic Plants under 'CSIR Aroma and Phyto-pharmaceutical Mission'. Under the agreement, 170 hectares of area in Assam and Arunachal

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Pradesh will be covered under cultivation of medicinal & aromatic plants with the involvement of local farmers and entrepreneurs.



Dr D Ramaiah, Director, CSIR-NEIST exchanging the signed agreement with Mr M K Saikia, President, North East Organic, Guwahati in presence of CSIR Aroma Mission team & other staff on 3 May 2018.

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- Saikia B K: Editorial, *International Journal of Oil, Gas and Coal Technology*, 2018, 18 p: 1-2.
- Goswami M, Das A M: Synthesis of cellulose impregnated copper nanoparticles as an efficient heterogeneous catalyst for C-N coupling reactions under mild conditions, *Carbohydrate Polymers*, 2018, 135 p: 189-198.
- Shingnaisui K, Dey T, Manna P, Kalita J: Therapeutic potentials of *Houttuynia cordata* Thunb. against inflammation and oxidative stress: A review, *Journal of Ethnopharmacology*, 2018, 220 p: 35-43.
- Neog K, Das B, Gogoi P: 2,3-Diaroyl benzofurans from arynes: Sequential synthesis of 2-aroyl benzofurans followed by benzylation, *Organic Biomolecular Chemistry*, 2018, 16(17),

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In Proceedings of Seminars/Conferences

- Saikia J, Yadav A, Ahmed T H, Dasgupta A, Bharali R, Saikia R: Rhizosphere bacterial formulation JS01 improves growth and yield efficiency of plants in drought-stressed system, In: 4th National Conference on Plant Growth-Promoting Rhizobacteria (PGPR) for Sustainability of Agriculture and Environment. 11-12 May, 2018, organized by Mizoram University, Mizoram, Indian Chapter of Asian PGPR Society for Sustainable Agriculture, 2018 p: 45-46.
- Sarma R K, Saikia R: Improvement of water logging stress tolerance in rice by Arbuscular mycorrhizal fungi (AMF), In: 4th National Conference on Plant Growth-Promoting Rhizobacteria (PGPR) for Sustainability of Agriculture and Environment. 11-12 May, 2018, organized by Mizoram University, Mizoram, Indian Chapter of Asian PGPR Society for Sustainable Agriculture, 2018 p: 45-46.
- Yadav A, Sarma R K, Mudoi K D, Saikia J, Dasgupta A, Sarma R K, Saikia R: Effect auxin produced by Microbacterium endophyte from aerial root of *Cymbidium aloifolium*, In: 4th National Conference on Plant Growth-Promoting Rhizobacteria (PGPR) for Sustainability of Agriculture and Environment. 11-12 May, 2018, organized by Mizoram University, Mizoram, Indian Chapter of Asian PGPR Society for Sustainable Agriculture, 2018 p: 137-138.

Farewell

The following member(s) of the staff have retired from Council's service on superannuation from CSIR-NEIST w.e.f 31 May 2018.

- Mr Purna Kanta Hazarika**, Sr Secretariat Assistant (G)
- Mr Makhan Chandra Borah**, Lab Assistant