

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

Director, CSIR-NEIST addresses the staff members on New Year's Day



Dr D Ramaiah (center), Director, CSIR-NEIST delivering his New Year's address. Sri Ajay Kumar (right), In-charge-Hindi cell and Dr R L Bezbaruah (left), Head- I&BD Division are seen translating the speech in Hindi and Assamese respectively.

Below: A section of CSIR-NEIST staff members attending the address.



Welcoming the New Year 2015, Dr D Ramaiah, Director, CSIR-NEIST addressed the staff members on 1 January at open air stage and extended his greetings to all for a happy and prosperous year. In his address, Dr Ramaiah declared the year 2015 as 'Year of Innovation and Excellence' and urged all to maintain punctuality and discipline and to contribute their best for the significant enhancement of scientific outputs and outcomes of the Institute. He also reiterated the activities and achievements of the Institute during the year 2014 and expressed his appreciation to all for the successful completion of the eventful year.

CSIR-NEIST motivates school students to take up science as a career



Dr D Ramaiah, Director, CSIR-NEIST addressing the students in the inaugural session on 5 January. Dr R C Boruah, Outstanding Scientist and Dr B G Unni, Chief Scientist (from right in the dais) graced the occasion as guest of honour and special invitee respectively.

Below: students attending a technical session.



CSIR-NEIST organised a week-long science motivational programme for talented school students during 5-10 January. Twenty eight students of class XI from various schools of Assam and Manipur along with 4 teachers attended the programme. The week-long programme included 6 hands-on type project work on 6 different topics under the supervision of CSIR-NEIST scientists, popular science lectures delivered by CSIR-NEIST scientists & experts from other institutes/universities, visit to Assam Agricultural Uni-

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-versity, Tocklai Experimental Station and exposure trip to historical places. Besides, the Institute also organised 2 one-day motivational programme on 22 & 23 January at its premise. Seventy students of class X and XI along with 7 teachers from various schools of Jorhat town and suburbs attended the programme held during the period. The programmes included four popular science talks delivered by CSIR-NEIST scientists & experts from other institutes/universities and visit to various divisions of the institute.

CSIR-NEIST celebrated 66th Republic Day



Dr D Ramaiah, Director, CSIR-NEIST unfurling the National flag.

CSIR-NEIST celebrated the country's 66th Republic Day on 26 January with much zeal and enthusiasm. Celebrating the day, a flag hoisting programme was held in front of the administrative building in the morning hours. Dr D Ramaiah, Director, CSIR-NEIST took the guard of honour and unfurled the National flag, followed by the National Anthem and republic day parade performed by CSIR-NEIST security personnel and students from KV-NEIST. Delivering his address on the occasion, Dr Ramaiah said that Republic Day is observed every year on 26 January to commemorate the day when the Constitution of India came into force on 26 January, 1950, honoring India as a Republic nation. He urged everyone to take the responsibility to protect the sovereignty and integrity of the



Dr Ramaiah addressing the staff members on the occasion.

country and to contribute for the growth and development of the nation and the organisation. Later, the day was observed with various sports activities held at CSIR-NEIST play ground.

Honour/Recognition

Dr Jatin Kalita, Scientist

- Invited to represent a two-member Indian delegate to the ITTO-CITES-Asian Regional Workshop on Management of Wild and Plantation Source Agarwood held during 19–23 January at Hotel Radisson Blue, Guwahati, Assam. The major aim of the workshop was to share experience of range states on managing populations of agarwood producing species in the natural forest and in plantations to prevent overexploitation and to ensure sustainable and authorized international trade in wild agarwood. The workshop was attended by 41 representatives from 14 different South East Asian countries. Dr Kalita also delivered a talk on, "Managing Agarwood producing species in natural forest and in plantations" in the workshop.

Dr Raju Khan, Sr Scientist

- Selected as an editorial board member by Open Science Publications for the journal, *Journal of Chemistry & Applied Biochemistry*.

Talk delivered

Dr (Mrs) Mina Borthakur, Sr Principal Scientist and Dr Kalpataru Dutta Mudoi, Technical Officer delivered invited talks on "Plant tissue culture— a tool for generation of multifarious practical application" and "Micropropagation: a tool for conservation of important germplasm" respectively, as resource persons in the workshop on Biotechnology held at Institutional Biotech hub, DKD college, Golaghat (Assam) on 8 January.

Paper(s) published

In International Peer Reviewed Journals

- Tamuly Chandan, Hazarika Moushumi, Bora Jayanta, Bordoloi M J, Boruah Manas P, Gajurel P R: In vitro study on antioxidant activity and phenolic content of three Piper species from North East India, *J Food Science and Technology*, 2015, 52 (1), p: 117-128.
- Bhuyan Diganta, Saikia Mrinal, Saikia Lakshi: Magnetically recoverable Fe₃O₄@SBA-15: An improved catalyst for three component coupling reaction of aldehyde, amine and alkyne, *Catalysis Communications*, 2015, 58 p: 158-163.
- Saikia Lakshi, Bhuyan Diganta, Saikia Mrinal, Malakar Banajit, Dutta D K, Sengupta P: Photocatalytic performance of ZnO nanomaterials for self sensitized degradation of malachite green dye under solar light, *Applied Catalysis A: General*, 2015, 490 (Jan2015), p: 42-49.
- Saikia Binoy K, Ward Colin R, Oliveira Marcos L S, Hower James C, Leao Felipe De, Johnston Michelle N, Bryan Alice O', Sharma Arpita, Baruah B P, Silva Luis FO: Geochemistry and nano-mineralogy of feed coals, mine overburden, and coal-derived fly ashes from Assam (North-east India): a multi-faceted analytical approach, *International Journal of Coal Geology*, 2015, 137, p: 19-37.
- Saikia Mrinal, Bhuyan Diganta, Saikia Lakshi: Facile synthesis of Fe₃O₄ nanoparticles on metal organic framework MIL-101(Cr): characterization and catalytic activity, *New J Chemistry*, 2015, 39

p: 64-67.

- Sarmah M M, Prajapati D: Ultrasound-mediated one-pot synthesis of 7-methyl-substituted pyrido [4,3- D] pyrimidine Scaffolds by a Catalyst-Free Protocol, *Synlett*, 2015, 26 (1(st-2014-d0693-l)), p: 91-94.
- Bhau B S, Ghosh Sneha, Puri Sangeeta, Borah B, Sarmah D K, Khan Raju: Green synthesis of gold nanoparticles from the leaf extract of *Nepenthes khasiana* and antimicrobial assay, *Advance Material Letters*, 2015, 6 (1), p: 55-58.
- Assanvo Edja F, Gogoi Pronob, Dolui Swapan K, Baruah S D: Synthesis, characterization, and performance characteristics of alkyd resins based on *Ricinodendron heudelotii* oil and their blending with epoxy resins, *Industrial Crops and Products*, 2015, 65 (March), p: 293-302.
- Radhapyari Keisham, Khan Raju: Biosensor for detection of selective anticancer drug gemcitabine based on polyaniline-gold nanocomposite, *Advance Material Letters*, 2015, 6 (1), p: 13-18.
- Tamuly Chandan, Saikia Indranirekha, Hazarika Moushumi, Bordoloi M J, Hussain Najrul, Das M R, Deka Kaustavmoni: Bio-derived ZnO nanoflower: a highly efficient catalyst for the synthesis of chalcone derivatives, *RSC Advances*, 2015, 5 p: 8604-8608.

In National Peer Reviewed Journals

- Kalita Munmi, Bharadwaz Moonmee, Dey Tapan, Gogoi Kabita, Dowarah Pallavi, Unni B G, Ozah Dibyajyoti, Saikia Indira: Developing novel bacterial based bioformulation having PGPR properties for enhanced production of agricultural crops, *Indian J Experimental Biology*, 2015, 53 (1), p: 56-60.

Farewell

The following members of the staff have retired from Council's service on superannuation from CSIR-NEIST w.e.f 31 January.

1. Dr B G Unni, Chief Scientist
2. Dr B P Baruah, Principal Scientist
3. Mr Nilim Kumar Neog, Principal Technical Officer