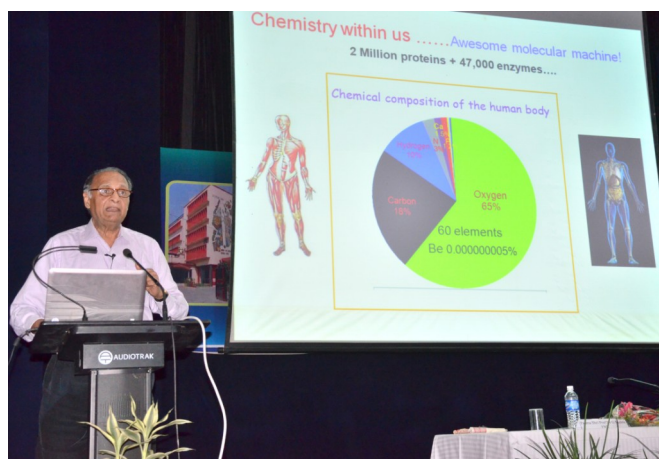


CSIR-North East Institute of Science & Technology, Jorhat
Connecting Science & Technology for a Brighter Tomorrow

CSIR-NEIST celebrated CSIR Foundation Day 2016



Padma Shri Prof Goverdhan Mehta, FNA, FRS, President of International Union of Pure and Applied Chemistry delivering CSIR Foundation Day Lecture at CSIR-NEIST.

CSIR-NEIST celebrated the 75th Foundation Day of its apex body, CSIR with a 3-day program at its premise during 24-26 September, 2016. Established in 1942, the Council of Scientific & Industrial Research today has a pan-India presence with 38 constituent laboratories spread across the country. This annual event is marked by technology awards, felicitation of the employees, award of special fellowships/scholarships to science students, etc. This year, the event carried a special significance as it marked the beginning of the year-long Platinum Jubilee celebration of CSIR. At CSIR-NEIST, an 'Open Day' was observed on 24 September, 2016 wherein about 150 students and general public visited the Institute and interacted with the scientists. Later during the day, Padma Shri Prof Goverdhan Mehta, FNA, FRS, President of International Union of Pure and Applied Chemistry who was on his maiden visit to the institute to grace the Foundation Day function had inaugurated the Experimental Animal House and modernized RRL Nursery School. An interactive session of the scientists with Prof Mehta was held further on the same day. On 25 September, a special function



Prof Goverdhan Mehta inaugurating the Experimental Animal House at CSIR-NEIST in presence of the Director, Dr D Ramaiah, and other officials from the Institute.

was held at Dr J N Baruah auditorium wherein Prof Mehta graced the function as Chief Guest and delivered the Foundation Day Lecture on the topic, "Dimensionality of Chemistry: A Science for Global Sustainability in the 21st Century". Dr D Ramaiah, Director, CSIR-NEIST presided over the function attended by dignitaries, invitees, press personnel and CSIR-NEIST fraternity. The following day on 26 September, a 'Kisan Mela' was organized at experimental farm, CSIR-NEIST, as a part of the main CSIR Platinum Jubilee Foundation Day program held at Vigyan Bhawan, New Delhi. The event at Vigyan Bhawan was graced by Shri Narendra Modi, Hon'ble Prime Minister of India & President, CSIR. Commemorating the occasion, Hon'ble PM released 7 new plant varieties developed by CSIR labs to the nation and further interacted with progressive farmers assembled in five different locations across the country. The interaction was held through live telecast by Doordarshan. It is noteworthy to mention that the plants released included improved varieties of Citronella and Lemon grass newly developed by CSIR-NEIST. Dr K M Bujarbaruah, Vice Chancellor, Assam Agricultural University, Jorhat handed over the dedicated saplings of Citronella and Lemon grass to progressive farmers at CSIR-NEIST in presence of Shri Swapan Saikia, AFS, Divisional

The best way to predict the future is to create it.

Peter Drucker

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



Top: Dr K M Bujarbaruah, Vice Chancellor, Assam Agricultural University, Jorhat handing over the saplings of Citronella and Lemon grass to the farmers. Just above: Farmers attending the Kisan Mela and interactive program with Hon'ble PM on 26.09.2016.

Forest Officer, Jorhat and Shri Birendra Nath Sharma, District Agriculture Officer, Jorhat. About 500 farmers/beneficiaries of CSIR-NEIST participated in the fair wherein saplings of Citronella and Lemon grass were distributed free of cost.

उत्तर-पूर्व विज्ञान तथा प्रौद्योगिकी संस्थान (निस्ट), जोरहाट में हिंदी सप्ताह/दिवस समारोह

प्रत्येक वर्ष के भांति इस वर्ष भी सीएसआईआर-उत्तर-पूर्व विज्ञान तथा प्रौद्योगिकी संस्थान, जोरहाट ने राजभाषा हिंदी को कार्यालयीन कार्य में उत्तरोत्तर वृद्धि करने के



मुख्य अतिथि के रूप में बोलते हुए ओएनजीसी, जोरहाट के उप-महाप्रबंधक (मानव संसाधन) श्री ई. हसनैन एवं (दायें से) निस्ट, जोरहाट के मुख्य वैज्ञानिक डॉ. पिनाकी सेनगुप्ता एवं संस्थान के प्रशासनिक अधिकारी श्री विक्रम सिंह

लिए संस्थान में राजभाषा हिंदी सप्ताह का आयोजन किया एवं संस्थान के विशाल सभागार में विभिन्न कार्यक्रमों के साथ 14 सितम्बर को हिंदी दिवस समारोह भव्य रूप से मनाया गया। हिन्दी सप्ताह का शुभारंभ 5 सितम्बर 2016 को असमियाँ मूल की हिन्दी कवियित्री एवं रचनाकार श्रीमति रेणु बरुआ के कर कमलों से हुआ। उन्होंने शुभारंभ के अवसर पर उपस्थित निस्ट के अधिकारियों एवं कर्मचारियों को हिन्दी में काम करने के लिए प्रोत्साहित किया, हिन्दी व्याकरण के सामान्य भूल को सुधारने के तरीके की व्याख्या करते हुए सभी का ध्यान केन्द्रित किया। राजभाषा सप्ताह के दौरान प्रतिदिन हिन्दी में कार्य करने के प्रति लगाव बढ़ाने के लिए कई प्रकार के प्रतियोगिताओं का आयोजन किया गया। हिन्दी कार्यशालाएँ आयोजित की गयीं। सप्ताह का समापन 14 सितम्बर 2016 को हिन्दी दिवस समारोह के रूप में किया गया। निर्धारित समय के अनुरूप इस कार्यक्रम का शुभारंभ राजभाषा प्रभारी श्री अजय कुमार ने भारत सरकार के गृह मंत्री के हिन्दी दिवस संदेश पढ़कर किया। समारोह के मुख्य अतिथि के रूप में ओएनजीसी, जोरहाट के उप-महाप्रबंधक (मानव संसाधन) श्री ई. हसनैन ने अपने

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

व्याख्यान में कार्यालय में हिन्दी के प्रचालन पर बल दिया। हिन्दी को राष्ट्रीय एकता का प्रतीक बताते हुए उन्होंने सीखने का अपील किया, हिन्दी के सरल एवं सहज स्वरूप को अपनाते हुए प्रयोग को बढ़ाएँ।

निस्ट, जोरहाट के मुख्य वैज्ञानिक डॉ पिनाकी सेनगुप्ता ने अपने सम्बोधन में सभी कार्मिकों को हिन्दी दिवस की शुभकामना दी एवं कार्यालय में राजभाषा हिन्दी के प्रचार-प्रसार पर बल दिया। उन्होंने खास तौर पर हिन्दी भाषी अधिकारियों/ कर्मचारियों से कहा कि कम से कम वे अपना प्रशासनिक काम हिन्दी में ही करें। ऐसा करने से हिंदीतरभाषी स्टाफ भी काम करने को प्रोत्साहित होंगे। राजभाषा नियम के अनुसरण में संस्थान में राजभाषा हिंदी गतिविधियाँ एवं सुविधाओं का उल्लेख किया। संस्थान में चल रहे हिन्दी कार्यक्रम का ब्योरा भी प्रस्तुत किया। इस अवसर पर संस्थान के प्रशासनिक अधिकारी श्री विक्रम सिंह भी मंच पर मौजूद थे।

कार्यक्रम के अंत में पुरस्कार वितरण समारोह का संचालन श्री अजय कुमार, प्रभारी राजभाषा ने किया। उन्होंने संस्थान में 5 से 14 सितम्बर के दौरान आयोजित राजभाषा हिंदी सप्ताह के अंतर्गत विभिन्न प्रकार के हिंदी प्रतियोगिताओं हिंदी श्रुत लेखन, हिंदी प्रश्नोत्तरी के विजेताओं के नामों की घोषणा की और मुख्य अतिथि महोदय के कर कमलों से उन्हें पुरस्कार एवं प्रमाणपत्र से सम्मानित किया गया। हिंदी शिक्षण योजना भारत सरकार के अंतर्गत प्रबोध/प्रवीण/प्राज्ञ हिंदी भाषा पाठ्यक्रम पास स्टाफ सदस्यों को प्रमाण पत्र प्रदान किया गया। अंत में श्रीमति रश्मि प्रकाश ने धन्यवाद ज्ञापित किया।

CSIR-NEIST transferred herbal Anti-Arthritis technology for commercial production

CSIR-NEIST transferred its technology on 'Herbal Anti-Arthritis formulation' to M/s Kudos Laboratories India, New Delhi on 9 September, 2016 in association with NRDC, New Delhi. A



Dr D Ramaiah, Director, CSIR-NEIST handing over the Know-how package on herbal Anti-Arthritis formulation to Mr G C Goomar, Kudos Laboratories India, in presence of officials from Kudos Laboratories and CSIR-NEIST.

team from Kudos Laboratories led by Mr Karan Goomar, Proprietor of the company visited CSIR-NEIST during 8-10 September, 2016 and took demonstration of the know-how and interacted with CSIR-NEIST team.

Arthritis is a major socio-economic burden of the modern life style and will continue to attract research and development efforts for a new effective therapy. CSIR-NEIST herbal formulation against Arthritis is effective in both Rheumatoid arthritis and other joint pains. Since its development in the year 2011, the Institute has transferred the marketing rights to 5 parties across the country. CSIR-NEIST created herbal processing unit and manufactured the product at its premise after obtaining the manufacturing license from the Drug Controller of Assam. The technology now transferred/licensed for the first time is a major step taken by the Institute in line with the Swastha Bharat mission of the Hon'ble Prime Minister of India & President, CSIR and intends to provide affordable healthcare to the society.

The best way to predict the future is to create it.

Peter Drucker

R P Bhatnagar Award 2015-16 conferred on Dr B K Saikia, Scientist

Dr B K Saikia, Scientist, Polymer Petroleum & Coal Chemistry Group has been awarded the R P Bhatnagar Award 2015-16 by the Mining, Geological and Metallurgical Institute of India, Kolkata, for his outstanding contribution in mineral beneficiation during last five years including the current year of award. Having completed his Ph D in coal chemistry in 2008, Dr Saikia has been working on characterization and beneficiation of high sulfur low-grade Northeast Indian coals for gainful utilization. He has published 60 research papers in SCI journals along with five book chapters published through reputed publishers like Taylor & Francis Group (UK). Dr Saikia is in the Editorial board members of International Journal of Coal Science & Technology (Springer) and International Journal of Oil, Gas and Coal Technology (Inderscience Publisher). The award carries a medal, citation and cash award of rupees five thousand.



Dr B K Saikia
Scientist

Papers published

In International Peer Reviewed Journals

- Boruah P K, Borthakur P, Darabdhara G, Kamaja C K, Karbhal I, Shelke M V, Phukan P, Saikia D, Das M R: Sunlight assisted degradation of dye molecules and reduction of toxic Cr (VI) in aqueous medium using magnetically recoverable Fe₃O₄/reduced graphene oxide nanocomposite, *RSC Advances*, 2016, 6 p: 11049-11063
- Borah A, Gogoi P: Cascade C-C and C-N Bond Formation: A Straightforward Synthesis of Phenanthridines and Fused Quinolines, *European Journal of Organic Chemistry*, 2016, 2016(12), p: 2076-2225
- Bhuyan D, Saikia M, Saikia L: Block Copolymer Assisted Synthesis of ZnO Nanoparticles and

Its Photocatalytic Activity Study Under Solar Irradiation, *Journal of Nanoengineering and Nanomanufacturing*, 2016, 5(3), p: 170-175

- Deori S, Choudhary R, Tiwari D, Gangopadhyay S: Calibration of HDM-4 models for Indian conditions of flexible pavement having modified bitumen in wearing course, *International Journal of Pavement Engineering*, 2016, 0(0), p: 1-14
- Prakash R, Gogoi S: Copper-Catalyzed C-N, C-O Coupling Reaction of Arylglyoxylic Acids with Isatins, *Advanced Synthesis Catalysis*, 2016, 358 p: 1-5
- Debnath R, Yadav A, Gupta V K, Singh B P, Handique P J, Saikia R, Yadav: Rhizospheric Bacterial Community of Endemic *Rhododendron arboreum* m.ssp. Delavayi along Eastern Himalayans lopein Tawang, *Frontiers in Plant Science*, 2016, 07 p: 1345
- Talukdar M, Bordoloi M, Dutta P P, Saikia S, Kolita B, Talukdar S, Nath S, Yadav A, Saikia R, Jha D K, Bora T C: Structure elucidation and biological activity of antibacterial compound from *Micromonospora auratinigra*, a soil Actinomycetes, *Journal of Applied Microbiology*, 2016, 121(4), p: 973-987
- Sharma K, Borah A, Neog K, Gogoi P: CeO₂-Catalyzed C-H Functionalization of N-Aryltetrahydroisoquinolines: An Aerobic Cross-Dehydrogenative Coupling Reaction between Two sp³ C-H Bonds, *ChemistrySelect*, 2016, 01(15), p: 4620 - 4623

Farewell

The following members of the staff have retired from Council's service on superannuation from CSIR-NEIST on 30 September, 2016.

- Mr Jogodhar Gayan, Sr Technician (2)
- Mr Aju Gowala, Lab Assistant
- Mr Sadananda Kalita, Lab Assistant