

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

Director, CSIR-NEIST delivered New Year's Address to the staff



Top: Dr D Ramaiah (center), Director, CSIR-NEIST, delivering New Year's Address to the staff. Dr P Sengupta (right), Chief Scientist and Mr Ajay Kumar, (left), Hindi Officer are seen delivering the translated version in Assamese and Hindi respectively.
Just above: CSIR-NEIST staff members attending the program.

Like every year, this year also, Dr D Ramaiah, Director, CSIR-NEIST addressed the staff members on 1 January, 2018 in a short program held in front of Dr J N Baruah auditorium. In his address, Dr Ramaiah made a brief recap of the Institute's performance in the year 2017. He said that the year has been eventful & significant for the Institute, in terms of technology transfer, technology commercialization, projects undertaken, Ph Ds produced, infrastructure development, and societal activities. Seven technologies were transferred to 6 companies from various parts of the country while four technologies have gone into commercialization, he informed. He also highlighted the performance made in paper publications, patents, and external cash flow. With greater challenges and new ambi-

itious projects the Institute has, he encouraged all to gear up and strive for achieving higher goals in the coming times. He acknowledged the collective efforts of all in accomplishing many of the projects particularly in implementing the skill development program in the Institute and setting up of the skill development and banana development centres for the benefit of the region. Declaring the year 2018 as the year of *Scientific Development & Care for the Society*, he urged everyone to embrace the New Year with renewed vigour & energy and work with utmost dedication in serving the society by providing need-based technological solutions.

CSIR-NEIST organised 'Beneficiary Interaction Meet for the weavers trained under CSIR-Integrated Skill Initiative'



Shri Kamakhya P Tasa, Hon'ble Member of Parliament, Jorhat Constituency speaking on the occasion. Mr Kamkhogin Vaiphei, District Development Manager, NABARD; Mr Seiminthang Haokip, AGM & Branch Head, IDBI Bank, Jorhat and Dr D Ramaiah, Director, CSIR-NEIST are seen seated on the dais (from right).

CSIR-NEIST organised a Beneficiary Interaction Meet at its premise on 25 January 2018 with a day-long programme under CSIR-Integrated Skill Initiative Programme. The aim of the programme was to provide a platform for discussion on various aspects related to business & marketing of weaving products produced by the beneficiary weavers trained under CSIR-Integrated Skill Initiative implemented by CSIR-NEIST in the region.

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Beneficiaries participating in the interaction meet along with CSIR-NEIST staff members.

Shri Kamakhya Prasad Tasa, Hon'ble Member of Parliament, Jorhat Constituency, Mr Seiminthang Haokip, AGM & Branch Head, IDBI Bank, Jorhat and Mr Kamkhogin Vaiphei District Development Manager, NABARD, Jorhat, graced the occasion as Guests of Honour. The programme was attended by large number of CSIR-NEIST staff and weavers trained under CSIR-Integrated Skill Initiatives held at Dr J N Baruah Auditorium. Mr Dipankar Neog, Senior Scientist and Coordinator, Skill Development Programme of CSIR-NEIST, delivered a presentation on the various activities of CSIR-NEIST including the skill development programme. He spoke about the benefit and importance of the training. The weaving programme has been running with the help of associated NGO 'SNEHPAD'. Dr D Ramaiah, Director, CSIR-NEIST delivered the welcome address wherein he emphasized on various societal activities of the Institute. Shri Kamakhya Prasad Tasa, Hon'ble MP expressed his appreciation for CSIR-NEIST for its various societal development activities in the region. He also stressed on the importance of new technologies to be used besides using the old customs and tradition for making weaving products. Mr Kamkhogin Vaiphei, District Development Manager, NABARD in his speech described the role of NABARD in development of agriculture sector and in providing access to funds from different banks to the common people. He also stated that NABARD has started the concept of Self Help Group and also created the some legal groups of the weavers called Joint Liability Group (JLG) to ease the bank

funding. Mr Seiminthang Haokip, AGM & Branch Head, IDBI Bank, Jorhat in his speech mentioned about the various kinds of loans available for the weaker section of people as well as farmers. During the programme, loans to some sanctioned groups and Jacquard Looms were distributed by the Hon'ble MP to Joint Liability Group (JLG) of the beneficiary weavers. Around 100 weavers, Assistant Director: Handloom and Textile, Govt of Assam, professors of different universities, scientists of different research institute and CSIR-NEIST staff participated in the programme. It is worthwhile to mention that CSIR-NEIST started promotion of weaving activities in 2010 and later on the weaving activities are taken under the Council of Science and Technology for Rural India (CSTRI) and CSIR-800 program. After that, the weaving activities continued under the 'CSIR-Integrated Skill Initiatives' from 2017. NEIST also provide interventions and arranged skill training to the weavers in 'Weaving practices using Jacquard Loom' for improvement of production rate, product quality, product diversification and design intervention.

CSIR-NEIST celebrated 69th Republic Day



Dr D Ramaiah, Director, CSIR-NEIST, inspecting the Guard of Honour on the occasion of Republic Day celebration at CSIR-NEIST.

CSIR-NEIST celebrated the 69th Republic Day along with rest of the country on 26 January 2018 with much zeal and enthusiasm. A flag hoisting programme was held in front of the administrative building wherein Dr D Ramaiah, Director, CSIR-

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Dr D Ramaiah delivering his address on the occasion.

-NEIST inspected the Guard of Honour and unfurled the National flag. CSIR-NEIST security personnel and students from KV-NEIST took part in the parade, followed by the Director's address. CSIR-NEIST staff members along with their families attended in large number. Speaking on the occasion, Dr Ramaiah called upon everyone to take the responsibility to protect the sovereignty and integrity of the country and to actively contribute in the growth and development of the nation. He further briefed some significant contributions made by CSIR and the Institute in science & technology and encouraged all to continue their efforts to keep the organization's as well as the Institute's flag high. As a part of the celebration, replicas of National Flag and sweets were later distributed to the children by Mrs Laxmi Ramaiah. In the later part of the day, various sports activities were held at CSIR-NEIST's play ground.

CSIR-NEIST organized training program on Cultivation and Processing of Aromatic Plants

CSIR-NEIST in association with the NGO, Juriya Aromatic Small Farmers Unit, Goalpara organized a training program on cultivation & processing of aromatic plants on 19 January 2018 under CSIR Aroma Mission project at Goalpara, Assam. A team from CSIR-NEIST interacted with the trainees on various aspects of the cultivation and processing



Trainees of the program along with CSIR-NEIST team.

practices. Altogether 79 farmers participated in the program. The program was coordinated by Dr S P Saikia, Sr Scientist & Principal Investigator of the project.

CSIR-NEIST Branch Lab, Imphal organized sensitization workshop on medicinal plants and home herbal garden



Shri L Jayentakumar Singh, Hon'ble Minister, Health & Family Welfare, Govt. of Manipur delivering his speech on the occasion.

CSIR-NEIST Branch Laboratory, Imphal organized a one-day sensitization workshop on 'Medicinal plants and home herbal garden' at its premise on 20 January 2018 in collaboration with Directorate of AYUSH, Govt. of Manipur & State AYUSH Society, Manipur. Shri L Jayentakumar Singh, Hon'ble Minister, Health & Family Welfare, Govt. of Manipur; Dr A Guneshwor Sharma, Director, AYUSH, Govt. of Manipur, Dr Y Lukhoi Singh, Member Secretary, AYUSH Society, Manipur & K Devdutta Sharma, Project Officer, MOMA, Govt. of Manipur

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were some notable personalities present in the program. The programme was attended by 63 farmers & entrepreneurs from Imphal. The programme dealt on the emerging importance of herbal medicine in AYUSH treatment and the various benefits of cultivating & maintaining herbal home garden. The program was coordinated by Dr H B Singh, Scientist-in-Charge, Branch Lab.

Papers Published

In International Peer Reviewed Journals

- Dihingia A, Ozah D, Baruah P K, Kalita J, Manna P: Prophylactic role of vitamin K supplementation on vascular inflammation in type 2 diabetes by regulating the NF-B/Nrf2 pathway via activating Gla proteins, *Food Function*, 2018, 9 p: 450-462
- Darabdhara G, Das M R, Amin, Mohammed A, Mersal Gaber A M, Mostafa N Y, Abd EL-Rehim Sayed S, Szunerits S, Boukherroub R: Au-Ni alloy nanoparticles supported on reduced graphene oxide as highly efficient electrocatalysts for hydrogen evolution and oxygen reduction reactions, *International Journal of Hydrogen Energy*, 2018, 43 p: 1424-1438
- Lal M, Munda S, Dutta S, Baruah J, Pandey S K: Identification of the new high oil and rhizome yielding variety of *Kaempferia galanga* (Jor Lab K-1): A highly important indigenous medicinal plants of North East India, *Journal of Essential Oil-Bearing Plants*, 2017, 20(5), p: 1275-1282
- Ingole P G, Sohail M, Abou-Elanwar, Ali M, Irshad B, Muhammad J, Jae-Deok C, Won K K, Hyunuk L, Hyung Keun: Water vapor separation from flue gas using MOF incorporated thin film nanocomposite hollow fiber membranes, *Chemical Engineering Journal*, 2018, 334, p: 2450-2458, **Highest Impact Factor Paper (IF: 6.216)**
- Barua S, Dutta H S, Gogoi S, Devi R, Khan

R: Nanostructured MoS₂-based advanced Biosensors: A Review, *ACS Applied Nano Materials*, 2018, 1(1), p: 2-25

Visit

A group of students from class VI to X along with 2 teachers from Island Academy, Majuli (Assam) visited CSIR-NEIST as a part of their educational tour program on 6 January 2018.

Farewell

The following member(s) of the staff have retired from Council's service on superannuation/resigned/voluntarily retired from CSIR-NEIST in January 2018.

1. Mr Anujjal Sarmah, Sr Technical Officer
2. Mrs Niroda Bora, Sr Stenographer
3. Mrs Ranju Borah, Sr Technician
4. Mrs Noly Niangmuanching, Nursing Sister
5. Mr Narayan Kurmi, Group C (Non-Technician)
6. Mr Somnath Bora, Lab Assistant
7. Mr Hiteswar Saikia, Lab Assistant
8. Mr Nomal Ch. Dutta, Lab Assistant
9. Mr Nageswar Singh, Lab Attendant

Condolence held

The Director and members of the staff of CSIR-NEIST deeply condoled the sad demise of its ex-employees, Shri Boloram Gogoi (who breathed his last on 09.01.2018) and Shri Moheswar Ligira (who breathed his last on 26.01.2018) at condolence meetings held in front of the administrative building on 10 & 30 January 2018 respectively.