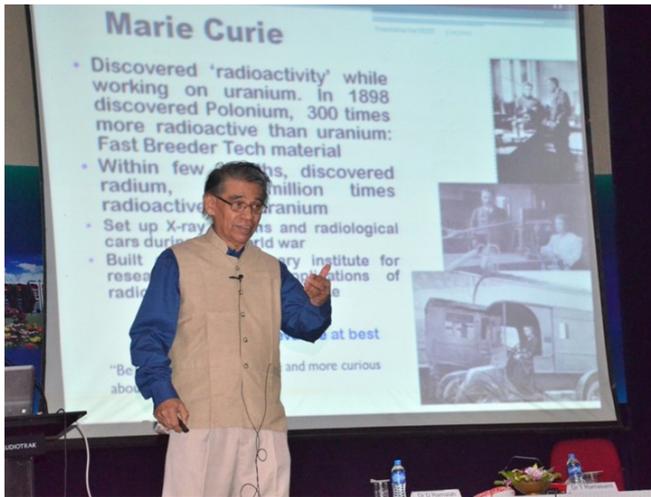


CSIR-North East Institute of Science & Technology, Jorhat
Connecting Science & Technology for a Brighter Tomorrow

CSIR-NEIST Celebrated 56TH Foundation Day



Padma Bhushan Dr T Ramasami, former Secretary, DST, Govt. of India and former DG-CSIR, delivering the 56th CSIR-NEIST Foundation Day Lecture.



Release of NEIST 'Highlights 2016-17' by the Chief Guest, Dr T Ramasami, during the function. Dr D Ramaiah (left), Director, CSIR-NEIST and Dr P Sengupta (right), Chief Scientist are also seen in the dais.

CSIR-NEIST celebrated its 56th Foundation Day with a special function at Dr J N Baruah Auditorium on 20 March, 2017. Padma Bhushan Dr T Ramasami, former Secretary, Department of Science & Technology, Ministry of Science & Technology, Govt. of India and former DG-CSIR graced the occasion as Chief Guest. Director, Dr D Ramaiah

welcomed the gathering and expressed gratitude to the founding fathers of the institute and congratulated all for the achievement of the institute. Padma Bhushan Dr T Ramasami in his Foundation Day Lecture on "Triple Helix of Excellence, Relevance and Sustenance" held the audience spellbound. Elaborating on the difference in grammar of sustenance, excellence and relevance and their interdependence he drew parallel from the triple helix structure of collagen. He went on to elucidate with examples of Dr C V Raman, Father of the Nation, Mahatma Gandhi. International sustaining Institutes of legacy and repute, Madame Curie, Michael Faraday, Sir J C Bose, Gurudev Rabindra Nath Tagore and inspired the young by drawing attention to the fact that sustenance can be achieved only with inspiration, aspiration and perspiration. On the occasion, 'Highlights 2016-17' of CSIR-NEIST was released by the Chief Guest. The employees who retired during 2016-17 were honored with silver plaques. Also, 'Certificates of Appreciation' were awarded to employees for exemplary performance in different categories during 2016-17. The meeting ended with a vote of thanks by Dr Pinnaki Sengupta, Chief Scientist. Earlier before the function, Dr T Ramasami also laid the Foundation Stone for "Centre for Advanced Civil Engineering Research" at CSIR-NEIST premises. As a part of the celebration, the Institute also observed 'Open Day' wherein a large number of visitors including students visited the Institute. Later on the day, Dr T Ramasami attended the 'Weaving Cluster Beneficiaries Meet' at Common Facility Centre on Textile and Weaving Products Manufacturing of CSIR-NEIST set up in association with the NGO, SNEHPAD at New Sonowal Gaon, Mariani supported by DST, Govt. of India. Mr Dipankar Neog, Scientist & Coordinator of the Centre, CSIR-NEIST presented the activities and progresses made by the Centre since its inauguration in May, 2014 by Dr T Ramasami. During his interaction, Dr Ramasami urged to find out the socio-economic impact in terms of per capita income of the people covered under the cluster and explore opportunities to increase the production against market size available locally and outside.

The more you like yourself, the less you are like anyone else, which makes you unique.

- Walt Disney

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Foundation Stone Laying of "Centre for Advanced Civil Engineering Research" by Dr T Ramasami at CSIR-NEIST.



Dr T Ramasami addressing the Beneficiaries at New Sonowal Gaon, Mariani.

Laurels

CSIR-NEIST Research Scholar participated in the 9th HOPE meeting with Nobel Laureates

Ms Gitashree Darabdhara, DST-INSPIRE SRF participated in the 9th HOPE Meeting with Nobel Laureates held at Tokyo International Forum, Japan from 26th February-2nd March, 2017 organized by Japan Society for the Promotion of Science (JSPS). She is amongst nine other Indian



Ms Gitashree Darabdhara

participants and the only member from CSIR selected to take part in the meeting.

CSIR-NEIST team wins Runners-up Trophy in SSBMT



Ms Pushpa Kumari Das and Ms Himadri Das receiving the Runners-up Trophy from Dr Madhu Dikshit, Director, CSIR-CDRI, Lucknow.

Ms Pushpa Kumari Das, Technician and Ms Himadri Das, Research Scholar from Cellulose Pulp and Paper Group have won the Runners-up trophy in Women Carom Doubles in SSBMT (Indoor) Finals 2017 held at CSIR-CIMAP Lucknow during 3-5 March, 2017.

CSIR-NEIST celebrated International Women's Day 2017

CSIR-NEIST celebrated International Women's Day 2017 on 6 March, 2017 with a day-long programme at its premise. A special function was held at Dr J N Baruah Auditorium presided over by Dr D Ramaiah, Director, CSIR-NEIST wherein Mrs Bandana Dutta Tamuli, District Development Commissioner, Jorhat graced the occasion as Chief Guest while Dr Usha Rani Pegu, Professor, Jorhat Medical College Hospital was present as Guest of Honour. Dr Archana Moni Das, Sr Scientist & Coordinator of the programme delivered the welcome address wherein she emphasized on Gender Equality towards a Planet 50-50 by 2030 to a Changing World. Mrs Alokanda Sengupta, Sr Principal Scientist pre-

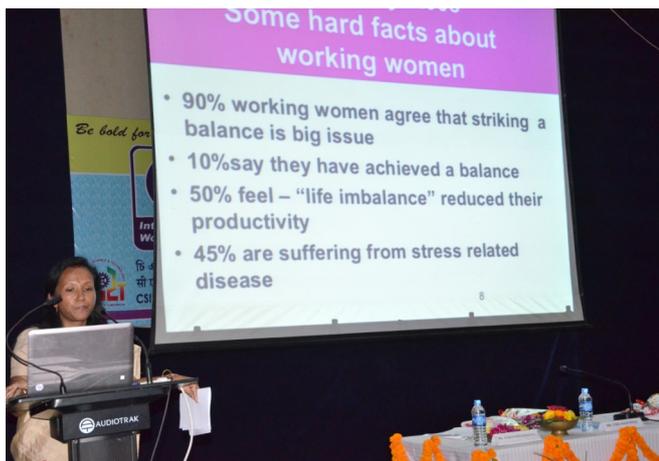
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Mrs Bandana Dutta Tamuli, District Development Commissioner, Jorhat delivering her speech as Chief Guest.



Dr Usha Rani Pegu, Professor, Jorhat Medical College Hospital & Guest of Honour delivering her talk.

-sented a brief over view of the Institute and its active technologies available for licensing. Mrs Sengupta gupta highlighted the women scientists' role and their contribution in various activities of research & development at CSIR-NEIST. Speaking on the occasion as the Chief Guest, Mrs Bandana elaborated the role of Women in various fields in her speech entitled, 'Women- Today and tomorrow'. Tracing the genesis of reciprocal strength of man and woman, she discussed the status of woman, vis-a-vis globalization, economic empowerment, impact on society etc. and also various schemes of Assam Government to support the women for self dependent. In her address as Guest of Honour, Dr Usha Rani Pegu highlighted the different health issues associated with women in her speech

entitled, 'Women and Health Issues'. Speaking on the occasion, Dr D Ramaiah remarked on the immense potentialities of women empowerment and pointed out the paradigm shift in women issues in recent times. He advised all to help women achieve their ambitions, call for gender-balanced, value women and men's contributions equally. As a part of the celebration, various competitions like extempore speech competition and quiz were organized for the staff members on 2 March, 2017. Winners of the competitions were suitably awarded with prizes during the function. The programme concluded with vote of thanks by Dr Kalyani Medhi, Scientist. The function was attended largely by invitees, guests, press & media personnel besides CSIR-NEIST fraternity. Post lunch, a training session on edible 'Mushroom Cultivation' was organized wherein 27 women from Bokakhat (Assam) participated. Mr Himangshu Lekhak, Technical Assistant discussed the cultivation of mushroom, market value & potential income source from mushroom cultivation, health benefits of mushroom etc. followed by hands-on demonstration on Mushroom cultivation.



Participants of the training programme along with CSIR-NEIST organizing team during the hands-on demonstration.

Societal Activities

CSIR-NEIST Branch Lab., Itanagar organized training programme on Aromatic Plants cultivations and distillation under CSIR 800 programme

With an aim to promote aromatic plant cultivation and its distillation for socio-economic development, CSIR-NEIST Branch Lab., Itanagar organized a one-day

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Participants of the training programme along with CSIR-NEIST Branch Lab team.

training programme on 'Aromatic Plants cultivation and distillation' on 7 March, 2017 at its premise. About 40 nos. of farmers/villagers from different parts of Arunachal Pradesh and North Lakhimpur (Assam) participated in the training. The programme started with a short inaugural session wherein Dr Jagat C Borah, Sc-in-charge, Branch Lab welcomed the gathering and briefed an overview of the Branch Lab activities. Dr Chandan Tamuly, Sr Scientist, Branch Lab briefly spoke about CSIR-800 programme and the role of CSIR-NEIST and its Branch Lab for socio-economic development of North East India. Dr Budhen C Baruah, Sr Technical Officer delivered a technical talk on 'Cultivation of Medicinal and Aromatic plant and distillation technology'. Mr Tadar Tempo, Chairman, M/s Tempo Medicinal and Aromatic Oil Industries, Batt Village, Itanagar shared his 20 years experience in aromatic plant in Arunachal Pradesh and its marketing scope. The session ended with vote of thanks by Mr Jayanta Bora, Sr Technical Officer. Later, a hands-on demonstration was provided to the beneficiaries.

Post training intervention for initial financial assistance and business link-up organized at CSIR-NEIST Branch Lab., Itanagar

CSIR-NEIST Branch Lab., Itanagar organized a brainstorming meet on 'Post training intervention for initial financial assistance and business link-up' at its premise on 28 March, 2017. The main objective of the programme was to set up a business link-up and initial financial assistance to start or implementing CSIR technologies by potential entrepreneurs



A view of the meeting in progress.

and beneficiaries. It is to be mentioned that under the CSIR 800 programme, CSIR-NEIST has been promoting and disseminating few simple technologies suitable for the micro-scale sector of the industry which are simple, easy to operate with low skill and minimum land, labour and capital, and are meant for the unskilled or semi-skilled entrepreneurs. Four awareness cum training programmes on "Mushroom spawn production and cultivation technology, Vermi-composting, Banana fibre extraction and products thereof, Solid deodorant freshener, Liquid deodorant cleaner, wood care, Mosquito repellent incense sticks and candle, cultivation of Aromatic plants and distillation technology" were held during February-March, 2017. About 60 nos. of farmers, villagers, beneficiaries from different parts of Arunachal Pradesh and North Lakhimpur Assam attended the day-long programme besides important personalities from various organizations. Notable among them were Mr Bamang Mangha, Chairman, State Council of Science & Technology, Itanagar; Talo Potom, ADM cum CEO, Itanagar capital Complex; Mr G Angu, Dy Director, Directorate of Industries, Govt. of Arunachal Pradesh; Mr S K Das, Chief Manager, Canara Bank, Itanagar Branch; Dr Debajit Mahanta, Scientist, State Council of Sc & Technology, A.P and Mr B P Saikia, Extension Officer, DIC, Itanagar, Assam. Dr P Sengupta, Chief Scientist & Coordinator, Branch Lab in his opening remarks gave a brief overview of CSIR-NEIST. Dr Jagat C Borah, Sc-in-charge, Branch Lab in his welcome address briefed about the activities of the lab. Dr Budhen C Baruah, Sr Technical Officer; Dr Sidhartha Saikia, Sr Scien-

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-tist; Mr Dipankar Neog, Sr Scientist and Dr Jatni Kalita, Scientist discussed in detail the potential technologies and its proposed business link-up for the beneficiaries in their presentations. A detailed discussion was held with the dignitaries and the beneficiaries on various issues like business support services, financial assistance, technical assistance, etc. for way forward.

Exhibition

CSIR-NEIST participated in Odisha MSME Trade Fair 2017



Mr Balabhadra Majhi, Hon'ble MP, Nabarangpur, Odisha at CSIR-NEIST stall.

CSIR-NEIST participated in the Odisha MSME Trade Fair 2017 held at IDCO ground, Bhubaneswar during 5-10 March, 2017. Various technologies and products developed by the Institute were showcased and displayed in the exhibition through sample materials and posters. A large number of visitors including entrepreneurs, scientists, Members of Parliament, farmers, students and general public visited the exhibition stall. Mr Madhurjya Saikia and Mr Sanjoy Kumar Chanda, Technical Officers participated in the exhibition and actively interacted with the visitors. It is worth mentioning that besides the publicity in various local print media, a documentary on CSIR laboratories was telecasted by Doordarshan Odia on 25.03.2017 and 26.03.2017 wherein Mr Madhurjya Saikia spoke about CSIR-

NEIST participation.

Papers Published

In International Peer Reviewed Journals

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- Thatte C S, Rathnam M V, Namdeo A, Rane K: Heterogeneous catalytic solvent-free synthesis of 3,3,5-trimethyl cyclohexyl anthranilic acid esters via trans-esterification, *Chemical Papers*, 2017, p: 1-10
- Allou N B, Saikia P, Borah A, Goswamee R L: Hybrid Nanocomposites of Layered Double Hydroxides: an Update of their Biological Applications and Future Prospects, *Colloid and Polymer Science*, 2017, p: 1-23
- Sharma A, Kumar A, Khan R: Electrochemical immunosensor based on poly (3,4-ethylenedioxythiophene) modified with gold nanoparticle to detect aflatoxin B₁, *Materials Science and Engineering C*, 2017, 76, p: 802-809
- Gogoi G, Hazarika S: Coupling of ionic liquid treatment and membrane filtration for recovery of lignin from lignocellulosic biomass, *Separation and Purification Technology*, 2017, 173, p: 113-120