

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

CSIR-NEIST transfers three technologies back-to-back for commercial production



Dr D Ramaiah, Director, CSIR-NEIST handing over the Anti-Arthritis technology package to Mr Sanjay Kumar, Chief Manager, Multani Pharma Ltd., New Delhi (in the top picture) and to Mr Rajnish Jha, General Manager, M/s Altis Life Sciences, Himachal Pradesh (in the picture just above) flanked by CSIR-NEIST team.

CSIR-NEIST transferred three technologies consecutively for commercialization in December, 2016. On 8 December, 2016, CSIR-NEIST transferred its technology, 'Herbal Anti-Arthritis Formulation' to two major pharmaceutical companies viz., Multani Pharmaceuticals Ltd., New Delhi and Altis Life Sciences, Himachal Pradesh on non-exclusive basis. Teams from the companies visited CSIR-NEIST during 8-9 December, 2016 for taking demonstration and know-how package. In a short inter-

active meeting held during the visit, Dr D Ramaiah, Director, CSIR-NEIST lauded the efforts of the scientists including the retired torch-bearers and expressed his satisfaction in seeing the efforts of the institute proliferating to society. He hoped that the companies will not only make the product have pan-India presence but also find place in the international market. Mr Sanjay Kumar, Chief Manager, Multani Pharmaceuticals Ltd, expressed his gratitude to CSIR-NEIST for entrusting them with the product and promised to make it a household name in India and abroad. Mr Rajnish Jha, General Manager, M/s Altis Life Sciences, too expressed gratitude on behalf of his companies and also pointed out that transfer to several companies on non-exclusive basis promotes healthy competition and benefits the customer as quality is maintained and prices have to be competitive. Dr D Ramaiah handed over the technology packages to both the companies in presence of the technology team led by Dr Mantu Bhuyan, Sr Scientist and others.



Dr D Ramaiah, Director, CSIR-NEIST handing over the wood care technology package to Mr Dileswar Pradhan, CEO, M/s DSP Agrofoods & Chemical Industries, Bhubaneswar, in presence of the technology team members.

CSIR-NEIST also transferred its technologies on 'Herbal Mosquito repellent candle' and 'Herbal wood care formulation' to M/s DSP Agrofoods & Chemical Industries, Bhubaneswar on 15 Decem-

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-ber, 2016. Mr Dileswar Pradhan, CEO of the company visited CSIR-NEIST during 15-16 December, 2016 for taking demonstration of the technologies and know-how packages. In a short meeting held on the occasion, Dr Ramaiah congratulated the teams behind the technologies for the efforts put into for development and translation. Mr Pradhan expressed his appreciation for the technology support extended to him and mentioned that he intends to take the products beyond Indian markets in future. Dr T Goswami, Principal Scientist & team leader of the 'wood care formulation' and Dr Mantu Bhuyan, Scientist & team leader of the 'wax candle' spoke briefly about the technologies during the discussion.

Awards/Fellow(s)

Dr D Ramaiah, Director, CSIR-NEIST has been elected Fellow of the Prestigious "*National Academy of Sciences (NASI)*", India, for his important contributions in synthesizing NIR absorbing squarines, porphyrins, chlorins and aza-BODIPY dyes for studying these as sensitizers and photodynamic therapeutical (PDT) applications.



Dr D Ramaiah

Dr H B Singh, Scientist-in-Charge, Branch lab, Imphal has been awarded the *Distinguished Scientist Award 2016* by Venus International Foundation for his contribution in the field of Biodiversity. The award consisting of certificate, bronze medal and memento was presented by Justice S K Krishnan, Hon'ble Judge of Madras High Court to Dr Singh on 3 December, 2016 at Le Royal Meridien Hotel, Chennai.



Dr H B Singh

Dr Ram Awatar Maurya, Scientist, has been awarded the *NASI Young Scientist Platinum Jubilee Award 2016* by the National Academy of Sciences (NASI), Allahabad, India. The award was presented in the valedictory function of the 86th Annual Session and Symposium on, "Science, Technology and Entrepreneurship for Human Welfare in the Himalayan Region" held at Uttarakhand Technical University, Uttarakhand on 4 December, 2016.



Dr Ram Awatar Maurya

Bharat Ratna Professor C N R Rao visited CSIR-NEIST



CSIR-NEIST staff interacting with Bharat Ratna Prof C N R Rao (left) during the lecture session.

Bharat Ratna Professor C N R Rao, National Research Professor, Linus Pauling Research Professor & Honorary President, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore visited CSIR-NEIST on 21 December, 2016. He delivered a special lecture on '*Photochemical and thermochemical splitting of water*' at Dr J N Baruah auditorium which was attended by CSIR-NEIST staff members. During his visit, he laid the Foundation Stone for new Bank and Post Office complexes in the campus and as well as for the new gate and boundary wall. He also inaugurated the Rural Technology Demonstration Centre in presence of Director, CSIR-NEIST, Dr D Ramaiah and staff members.

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Glimpses of the Foundation Stone laying and Inauguration ceremonies by Bharat Ratna Prof C N R Rao, in presence of Director, CSIR-NEIST, Dr D Ramaiah and CSIR-NEIST staff.

Societal Activities

CSIR-NEIST Branch Lab, Itanagar organized training on mushroom cultivation and vermicompost production



Participants of the training program along with staff from CSIR-NEIST branch lab and ASWASH representatives.

CSIR-NEIST Branch Itanagar in association with a NGO, 'ASWASH-The ray of hope' organized an awareness and training programme on cultivation of mushroom and vermicompost production at Azad, North Lakhimpur, Assam on 17 December, 2016. Speaking on the occasion, Dr J C Borah, Scientist-in-charge, branch lab highlighted CSIR-NEIST's societal activities towards sustainable de-

velopment of the rural people. He primarily emphasized on different low cost technologies such as mushroom cultivation, vermicompost production, low dust chalk pencil, biofertilizer and extraction process of banana fibre which have made impact in societal development. Dr B C Baruah, Sr Technical Officer, highlighted the food & nutritional value of mushroom, its scientific cultivation technique and effective cost analysis to the participants. Mr J Bora, Sr Technical Officer, spoke about commercial prospects of mushroom, vermicompost and banana fibre. About 10 participants showed keen interest to start mushroom cultivation and vermicompost production at Azad. A practical demonstration for preparation of mushroom bags was also conducted in the program.

Papers published

In International Peer Reviewed Journals

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- Dutta D, Hazarika R, Dutta P D, Goswami T, Sengupta P, Dutta D K: Synthesis of Ag-Ag₂S Janus nanoparticles supported on an environmentally benign cellulose template and their catalytic applications, *RSC Advances*, 2016, 6, p: 85173-85181.
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- Amin M A, Ahmed E M, Mostafa N Y, Alotibi M M, Darabdhara G, Das M R, Wysocka J, Ryl J, Rehim S S Abd El: Aluminum Titania Nanoparticle Composites as Nonprecious Catalysts for Efficient Electrochemical Generation of H₂, *ACS Applied Materials Interfaces*, 2016, 8 p: 23655-23667.
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- Bhattacharjee N, Sujata B, Konwar N, Dewanjee S, Manna P: Mechanistic insight of diabetic nephropathy and its pharmacotherapeutic targets: An update, *European Journal of Pharmacology*, 2016, 791 p: 8-14.

Farewell

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

1. Mr N C Patra, Private Secretary
2. Mr Kangjam K Singh, Assistant Gr II
3. Mr Dulal C Sarmah, Assistant Gr 1
4. Mr Tileswar Das, Lab Assistant

Condolence held

The Director and members of the staff of CSIR-NEIST deeply condoled the sad demise of its ex-employee, Shri Akon Chandra Sharma (who breathed his last on 22.12.2016) at a condolence meeting held in front of the administrative building on 28.12.2016.