

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

CSIR-NEIST transferred eco-friendly solid and liquid deodorant cleaner technologies for commercialization

CSIR-NEIST transferred its two technologies on Solid and Liquid Deodorant Cleaner to a Bhubaneswar based company, M/s DSP Agrofoods & Chemical Industries during 3-5 August, 2016. Mr Dileswar Pradhan, CEO of the company visited CSIR-NEIST during the period and took demonstration & training of the technologies under the supervision of Dr Tridip Goswami, technology team leader. Solid and Liquid Deodorant Cleaner finds wide applications in surface cleaning of floors, glass articles, tiles, ceramics, etc. and can be used in hotels, restaurants, hospitals, clinics and households. Similar to the liquid deodorant, the solid deodorant cleaner in the form of portable tablets has an advantage for easy transport and handling. Both the products are essential oil based, making them suitable for use as room and car fresheners.



Dr D Ramaiah, Director, CSIR-NEIST handing over the solid deodorant & cleaner technology package to the client, Mr Dileswar Pradhan (3rd from right), CEO, M/s DSP Agrofoods & Chemical Industries, Bhubaneswar in presence of technology team members and other officials on 05.08.2016.



Solid and Liquid Deodorant Cleaners developed by CSIR-NEIST.

CSIR-NEIST celebrated country's 70th Independence Day



Dr D Ramaiah, Director, CSIR-NEIST delivering his address on the occasion of the nation's 70th Independence Day celebration at CSIR-NEIST.

CSIR-NEIST celebrated 70th Independence Day of the country with great joy and enthusiasm on 15 August, 2016. A flag hoisting ceremony was held in front of the administrative block wherein CSIR-NEIST family members, students and teachers from Kendriya Vidyalaya-NEIST attended in large number. Dr D Ramaiah, Director, CSIR-NEIST inspected the guard of honour and gave ceremonial salute to the National Flag after hoisting it. Addressing the gathering, Dr Ramaiah asserted on the significance of the day and the role played by our great leaders and freedom fighters to achieve independence from the British rule. He spoke about the growth of India over the years as one of the world's largest democracies and fastest growing economies. He encouraged everyone to nurture the sense of oneness and patriotism for the country and to contribute in its development and progress. He further highlighted the significant activities and achievements of the Institute during past one year and urged the staff to surge ahead with renewed vigor and give their best in achieving the aims & aspirations of the Institute for the coming years. As a part of the celebration, sweets and replicas of the National Flag were later distributed to the children.

Success is not the key to happiness. Happiness is the key to success. If you love what you are doing, you will be successful.

Albert Schweitzer

CSIR-NEIST Scientist selected for the prestigious NASI-Young Scientist Platinum Jubilee Award- 2016

Dr Ram Awatar Maurya, Scientist, Applied Organic Chemistry Group has been selected to receive the prestigious National Academy of Sciences India (NASI) Award in Physical Sciences for the year 2016 in recognition of his contribution in the area of synthetic organic and medicinal chemistry. The award will be presented during the Valedictory function of the 86th Annual Session and Symposium on, "Science, Technology and Entrepreneurship for Human Welfare in the Himalayan Region" at Uttarakhand Technical University, Uttarakhand on 4th December, 2016. Dr Maurya has explored a relatively new area, "*Visible-light mediated photo-catalysis in flow microreactors,*" to synthesize various medicinally important molecular scaffolds. He has utilized relatively less explored organic azides and diazo-compounds for the synthesis of various valuable fine chemicals and pharmaceuticals. Dr Maurya has authored 42 high impact research publications in the peer-reviewed international journals in the area of organic, medicinal and flow chemistry. He has 4 International and Indian patents to his credit and his research work has been widely recognised and highly cited in scientific community. Several of his research articles have been published as cover image articles in elite international journals. Dr Maurya received his Ph D degree from Jawaharlal Nehru University, New Delhi in the year 2010 and worked as a Postdoctoral Fellow at CNU Daejeon & POSTECH, Pohang, South Korea during September, 2009 to June, 2012. He was a DST-Inspire Faculty at CSIR-Indian Institute of Chemical Technology, Hyderabad before joining CSIR-NEIST in March, 2016. His research interests include Organic azides & di-



Dr Ram Awatar Maurya, Scientist

azo-compounds, Photochemical transformations, Flow microreactor technology for organic transformations and New molecular libraries of medicinal importance.

Societal Activities

CSIR-NEIST imparts training on Mushroom cultivation

Under CSIR 800 program, CSIR-NEIST provided training on Mushroom Cultivation to 17 school dropout students of the Institute for Cultural and Rural Development (I-CARD), Baghchung, Jorhat on 11 August, 2016 at CSIR-NEIST. The training was aimed to encourage the students to adopt mushroom cultivation commercially for their livelihood. The program was coordinated by Dr S P Saikia, Senior Scientist & Group Leader, MAEP Group.



The trainees from I-CARD, with Dr S P Saikia during the training program.

CSIR-NEIST branch lab, Itanagar imparts training on Mushroom cultivation & Vermicompost production

CSIR-NEIST branch lab, Itanagar organized a training and awareness program on "Cultivation of Mushroom and Production of Vermicompost" at community hall, G-Sector, Naharlagun on 23

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August, 2016. About 70 nos. of farmers/villagers/beneficiaries from G-Sector, F-Sector and Yawn Colony participated in the program. Highlights of the program included demonstration and technical guidance on the cultivation and production methods. The trainees were apprised about the food value and commercial viability of mushroom. Visit to some vermicompost production units was further carried out for the benefit of the trainees. The program was coordinated by Dr J C Borah, Scientist-in-charge, branch lab.



A section of trainees attending the training program.

Motivational program for school students held

CSIR-NEIST branch lab, Itanagar, organized one-day Motivational program for school students on 19 August, 2016 at its premise. Popular talks and demonstration were rendered by the branch lab scientists on "Biotechnology: Origin and its development", "Medicinal and aromatic plants" and "Cultivation of mushroom". About 50 nos. of students of classes XI and XII along with 2 teachers from New Galaxy Public School, Nirjuli participated and interacted in the day long programme.



Student participants of the program along with staff members of CSIR-NEIST branch lab.

Papers published

In International Peer Reviewed Journals

- Kaishap P P, Sarma B, Gogoi S: The amide C-N bond of isatins as the directing group and the internal oxidant in Ru-catalyzed C-H activation and annulation reactions: Access to 8-amido isocoumarins, *Chemical Communications*, 2016, 52(63), p: 9809-9812
- Saikia B K: Editorial, *International Journal of Coal Science and Technology*, 2016, 3(2), p: 85-86
- Shrivastava P, Navratna V, Silla Y, Dewangan R P, Atreyi P, Chaudhary S, Rayasam G, Kumar A, Gopal B, Ramachandran S: Inhibition of Mycobacterium tuberculosis dihydrodipicolinate synthase by alpha-ketopimelic acid and its other structural analogues, *Scientific Reports*, 2016(6), p: 30827
- Banik D, Bora P P: Taxonomic notes on Indian *Horsfieldia* and *Endocomia*: (Myristicaceae), *Journal of Japanese Botany*, 2016, 91(3), p: 160-178

Farewell

The following members of the staff have retired from Council's service on superannuation from CSIR-NEIST on 31 August, 2016.

1. Dr P K Barooah, Principal Technical Officer
2. Mr D K Phukan, Sr Technician (2)
3. Mr Bimal Dutta, Lab Assistant