

## CSIR invites applications for 2015 CSIR Young Scientist Awards

The Council of Scientific & Industrial Research (CSIR) invites applications for the CSIR Young Scientist (YS) Awards for the year 2015. All regular scientific staff of CSIR system holding a post of Junior/Trainee Scientist or above and have joined CSIR Laboratory on or prior to 26th September 2014 are invited to apply for the Awards. The awards are to be given for research contributions made primarily in India. The age of the applicant should not be more than 35 years as on 26 September, 2014.

The YS Awards are given annually in the following disciplines: 1) Biological Sciences, 2) Chemical Sciences, 3) Earth, Atmosphere, Ocean and Planetary Sciences, 4) Engineering Sciences and 5) Physical Sciences (including instrumentation). The YS Award comprises a citation, a cash award of Rs.50,000.00 (Rupees fifty thousand only) and a plaque.

Interested scientists from CSIR-NEIST fulfilling the eligibility criteria are encouraged to submit their applications through Head, Information & Business Development Division. The last date of submission of nominations to CSIR is 31 January, 2015. Further details on the Award and prescribed submission proforma may be obtained/downloaded from website: [www.csirhrdg.res.in](http://www.csirhrdg.res.in).

## Patents

### Granted abroad

- **Title:** Series of artemisinin derivatives and process for preparation thereof.

**Inventors:** Gakul Baishya, Nabin Chandra Barua, Abhishek Goswami, Partha Pratim Saikia, Paruchuri Gangadhar Rao, Ajit Kumar Saxena, Nitasha Suri, Madhunika Sharma.

**Patent No:** 884166

**Granted on:** 23/09/2014 in US.

### Filed in India

- **Title:** A highly effective plant extract formulation for the control of Red Spider Mite (RSM) in tea plantations.

## Application No.3321DEL2014

**Inventors:** Nabin Chandra Barua, Pranab Ram Bhattacharya, Subhan Chandra Nath, Ramesh Chandra Borah, Dilip Kumar Dutta, Mantu Bhuyan, Archana Moni Das, Jiten Mech.

**Prov. filed on:** 18/11/2014.

- **Title:** A novel process for extraction and separation of Oxyresveratrol from *Artocarpus Lakoocha* Roxb.

## Application No.2853DEL2014

**Inventors:** Swapnali Hazarika, Dilip Konwar, Hirokkyoti Borah, Somiron Borthakur, Pranab Barkakati, Modon Mohan Bora, Ram Nath Das.

**Completely filed on:** 07/10/2014.

- **Title:** A method for the isolation of vanillin from Rice straw.

## Application No.1879DEL2014

**Inventors:** Archana Moni Das, Abdul Aziz Ali, Dilip Konwar, Tarun Chandra Bora, Manash Protim Hazarika.

**Completely filed on:** 08/07/2014.

## Honour/Recognition

- Dr D K Dutta, Chief Scientist, has been selected as an editorial board member by Elsevier Publisher for its journal, *Applied Clay Science*.
- Dr S B Wann, Principal Scientist, has been selected as an editorial board member by Open Science Publications for its journal, *Journal of Chemistry & Applied Biochemistry*.

## CSIR 800 programme



Glimpses of the training programme held.

CSIR-NEIST organized one-day training programme on cultivation of Mushroom and production of Liquid Deodorant & Cleaner at Malowkhat, 44 no. Madhya Charusorai gaon (Jorhat) on 23 December under the CSIR 800 project entitled, 'An integrative approach for development of low cost technologies for socio-economic upliftment of two backward areas of Jorhat district, Assam'. The programme was coordinated by Dr S P Saikia, Scientist, wherein 89 women participants received the training.

## Paper(s) published

### In International Peer Reviewed Journals

- Borah B, Ahmed R, Baruah D, Sarmah D K, Wann S B, Bhau B S: In vitro antioxidant activity of tender shoot of *Calamus leptospadix* Griff. *World J Pharm Sci.*, 2(12), p: 1893-1900.
- Sarmah P P, Dutta D K: Stabilized Rh<sup>0</sup>-nanoparticles

-Montmorillonite clay composite: Synthesis and Catalytic Transfer Hydrogenation reaction, *Applied Catalysis A General*, 2014, 470 p: 355-360.

- Sharma A, Saikia A, Khare P, Baruah B P: Genesis of some tertiary Indian coals from the chemical composition of ash-a statistical approach: Part 1, *Journal of Earth System Science*, 2014, 123(7), p: 1705-1715.
- Baruah D, Saikia U P, Pahari P, Dutta D K, Saikia U P, Pahari P, Dutta D K, Konwar D: Deprotection of oximes, imines, and azines to the corresponding carbonyls using Cu-nanoparticles on cellulose template as green reusable catalyst, *RSC Advances*, 2014, 4(103), p: 59338-59343.
- Ali A A, Chetia M, Saikia P J, Sarma D: (DHQD) 2PHAL ligand-accelerated Cu-catalyzed azide-alkyne cycloaddition reactions in water at room temperature, *RSC Advances*, 2014, 4 p: 64388-64392.
- Sharma P, Borah D J, Das M R: Graphene oxide nanosheets at the water-organic solvent interface: Utilization in one-pot adsorption and reactive extraction of dye molecules, *ChemPhysChem*, 2014, 15(19), p: 4019-4025.
- Hussain N, Gogoi A, Sarma R K, Sharma P, Barras A, Bourrekhoub R, Saikia R, Sengupta P, Das M R: Reduced Graphene Oxide Nanosheets Decorated with Au Nanoparticles as an Effective Bactericide: Investigation of Biocompatibility and Leakage of Sugars and Proteins, *ChemPhysChem*, 2014, 79(12), p: 1774-1784.
- Chebrolu L D, Thurakkal S, Balaraman H S, Ramaiah D: Selective and dual naked eye detection of Cu<sup>2+</sup> and Hg<sup>2+</sup> ions using a simple quinoline-carbaldehyde chemosensor, *Sensors and Actuators B: Chemical*, 2014, 204(Dec), p: 480-488.

## Farewell

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

1. Dr Dilip Kumar Dutta, Principal Scientist
2. Shri Ajit Ch Kakoty, Sr Technical Officer (3)
3. Shri Noren Chandra Bora, Private Secretary
4. Shri Rajani Pachani, Group C (Non-technical)