

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

**CSIR-NEIST celebrated 69<sup>th</sup> Independence Day**



Top: Dr D Ramaiah, Director, CSIR-NEIST hoisting the National Flag on the occasion of 69th Independence Day celebration. Dr Just above: Ramaiah delivering his address.

CSIR-NEIST celebrated 69<sup>th</sup> Independence Day with great joy and enthusiasm on 15 August, 2015 with a flag hoisting ceremony in front of the administrative block. The programme was attended largely by CSIR-NEIST staff & their family members and students & teachers from Kendriya Vidyalaya-NEIST. Dr D Ramaiah, Director, CSIR-NEIST inspected the guard of honour and unfurled the National flag. This was followed by National Anthem sung by the audience. Dr Ramaiah then took the salute of march-past performed by CSIR-NEIST staff and students of KV-NEIST. Addressing the occasion, Dr Ramaiah recalled the significance of the day and the role played by our great leaders

and freedom fighters to achieve independence from the British rule. He emphasized the role of armed forces for the country. He mentioned few remarkable achievements of the country post Independence and the developments in various fields that catapulted India within the realm of any developed nation. He invoked the sense of oneness and patriotism among the people which he mentioned is a vital ingredient for the growth and welfare of our nation with diverse culture, tradition, language, religion and ideology. Dr Ramaiah also highlighted some significant activities and achievements of the Institute and CSIR as a whole during recent times. He urged all to renew their duties as a citizen and to rededicate themselves for the growth and development of the nation. The programme concluded with mass singing of the National Song. As a part of the celebration, sweets and replicas of the National Flag were later distributed to the children.

**CSIR-NEIST organized training programme on Mushroom cultivation**



Trainees with the Mushroom compact bags prepared during the programme seen with Dr S P Saikia, Coordinator of the programme.

A training programme on Mushroom cultivation for Master Trainers was organized under the project “S&T interventions to combat malnutrition in women and children” at CSIR-800 Techvil in Sonitpur district, Assam in collaboration with the Institute of Integrated Resource Management (IIRM), Tezpur on 12 July, 2015. A batch of 27 persons se-

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

-ected out of the 185 persons trained earlier under the project received the training. These 27 persons will be the master trainers who will reach out to over 150 households to create new livelihood for the farmers. The programme was coordinated by Dr S P Saikia, Nodal Scientist of the project.

### Seminar/Conference/Workshop/Meeting attended

Dr D Ramaiah, Director, CSIR-NEIST

- CSIR-SRF/RA Selection Committee meeting held at HRDG, New Delhi during 8-9 July, 2105.
- DST meeting on WOS-A held at Tezpur University, Tezpur on 30 July, 2015.

Dr S P Saikia, Scientist

- CSIR 800 Project Launching Programme on, "Field demonstration of region specific Medicinal & Aromatic plants genotypes of CSIR for socio-economic upliftment of masses in J&K region (J&K AROMA AROGYA GRAM-JAAG)" held on 25 July, 2015 at Bahsoli, Jammu wherein CSIR-NEIST is also the participating Institute under the project along with other four CSIR institutes namely CSIR-IIM, CSIR-IHBT, CSIR-CIMPA, and CSIR-NBRI.
- Orientation programme of the Dept. of Life Sciences, University of Science & Technology, Meghalaya and addressed the students as a guest speaker on 29 August, 2015.

### Papers published

In International Peer Reviewed Journals

- Debajit S, Sukriti D, Sneha G, Lal Mohan, Singh B B: RAPD and ISSR based intra-specific molecular genetic diversity analysis of *Cymbopogon flexuosus* L. Stapf with a distinct correlation of morpho-chemical observations, *Research Journal of Biotechnology*, 2015, 10 (7), p: 105-113.
- Naidu P S, Kolita S, Sharma M, Bhuyan P J: Reductive Alkylation of  $\alpha$ -Keto Imines Catalyzed by

PTSA/FeCl<sub>3</sub>/inf: Synthesis of Indoles and 2,3'-Biindoles, *Journal of Organic Chemistry*, 2015, 80 (12), p: 6381-6390.

- Baruah D, Konwar D: Cellulose supported copper nanoparticles as a versatile and efficient catalyst for the protodecarboxylation and oxidative decarboxylation of aromatic acids under microwave heating, *Catalysis Communications*, 2015, 69 (1), p: 68-71.
- Begum A, Sarma J, Borah P, Bhuyan P M, Saikia R, Ahmed T H, Karki S, Dowarah J R, Gupta P, Khanna R R, Rai L, Lahlman N J, Goswami A, Chowdhury P K: Microwave (MW) energy in enzyme deactivation: Stabilization of rice bran from few widely consumed indigenous rice cultivars (*Oryza sativa* L.) from Eastern Himalayan range, *Current Nutrition and Food Science*, 2015, 11 (3), p: 240-245.
- Buragohain P, Surineni N, Barua N C, Bhuyan Purnajyoti D, Boruah P, Borah J C, Laishram S, Moiranthem D S: Synthesis of a novel series of fluoroarene derivatives of artemisinin as potent antifungal and anticancer agent, *Bioorganic and Medicinal Chemistry Letters*, 2015, 25 (16), p: 3338-3341.
- Saikia S, Kolita B, Dutta P P, Dutta D J, Neipihoi, Nath S, Bordoloi M J, Quan P M, Thuy T T, Phuong D L, Long P Q: Marine steroids as potential anticancer drug candidates: In silico investigation in search of inhibitors of Bcl-2 and CDK-4/Cyclin D1, *Steroids*, 2015, 102 p: 7-16.
- Banik D, Bora P P, Sharma S: A note on *Agapetes odontocera* var. Mizoramensis (Ericaceae), *Journal of Japanese Botany*, 2015, 90 (3), p: 218-222.
- Baruah D, Pahari P, Konwar D: Synthesis of (E)-Nitroolefins and Substituted Nitrobenzenes via Decarboxylative Nitration using Cellulose Supported Copper Nanoparticles, *Tetrahedron Letters*, 2015, 56 p: 2418-2421.
- Baruah D, Saikia U P, Pahari P, Konwar D: Cu-nanoparticles on cellulose/H<sub>2</sub>O-CH<sub>3</sub>CN/ Micro-

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

- wave: A green system for the selective oxidation of alcohols to aldehydes, *Tetrahedron Letters*, 2015, 56 p: 2543-2547.
- Saikia Pallabi, Gogoi S, Boruah R C: A facile synthesis of steroidal and nonsteroidal pyrimidines under microwave irradiation, *Tetrahedron Letters*, 2015, 56 p: 2106-2109.
  - Dutta D K, Borah Bibek J, Sarmah Podma Pollov: Recent Advances in metal nanoparticles stabilization into nanopores of montmori-llonite and their catalytic applications for fine chemicals synthesis, *Catalysis review*, 2015, 57(3), p: 257-305.
  - Hussain N, Borah A, Darabhdhara G, Gogoi P, Azhagan V K, Shelkebd M V, Das M R: A green approach for the decoration of Pd nanoparticles on graphene nanosheets: An in situ process for the reduction of C-C double bonds and a reusable catalyst for the Suzuki cross-coupling reaction, *New Journal of Chemistry*, 2015, 39 p: 6631-6641.
  - Boruah P K, Borah Dipankar J, Handique J, Sharma P, Sengupta P, Das M R: Facile synthesis and characterization of Fe<sub>3</sub>O<sub>4</sub> nanopowder and Fe<sub>3</sub>O<sub>4</sub>/ reduced graphene oxide nanocomposite for methyl blue adsorption: A comparative study, *Journal of Environmental Chemical Engineering*, 2015, 3 p: 1974-1985.
  - Kotoky R, Rabha A, Gogoi A, Nath S C, Saikia S P : Correlation studies in seed traits, moisture and oil content and effect of hormones on flowering of *Jatropha curcas* L., *Brazilian Journal Biological Science*, 2015, 2(3), p: 79-84.
  - Sharma M, Borah P, Bhuyan P J: InClnf3/inf-Catalyzed, Three-Component Reactions for the Synthesis of Some Novel Functionalized/ Annulated Barbituric Acids, *Synthetic Communication*, 2015, 43 (15), p: 1792-1798.
  - Payum T, Das A K, Shakar R, Tamuly C, Hazarika M: Antioxidant Potential of *Solanum spirale* Shoot and Berry: A Medicinal Plant Used in Arunachal Pradesh, *American Journal of Pharm-tech Research*, 2015, 5(4), p: 307-314.
  - Payum T, Das A K, Shakar R, Tamuly C, Hazarika M: Antioxidant Potential of *Pouzolzia bennettiana* -A Nutritious traditional food plant used in Arunachal Pradesh, *Advanced Journal of Pharmacie and Life Science Research*, 2015, 3 p-1-7.
  - Chetia M, Aziz A AB, Bhuyan D, Saikia L, Sarma D: Magnetically recoverable chitosan-stabilised copper-iron oxide nanocomposite material as an efficient heterogeneous catalyst for azide-alkyne cycloaddition reactions, *New J Chemistry*, 2015, 39 p: 5902-5907.
  - Sarmah M M, Borthakur S, Bhuyan D, Prajapati D: Ultrasound mediated efficient synthesis of spironaphthoquinolines, *RSC Advances*, 2015, 5 (84), p: 68839-68842.
- Indian Journals*
- Saikia S P, Mapelli S, Breviario D, Galasso I, Giani S, Braglia L, Pecchia P, Gogoi A, Mudoi K D : Comparative studies for selection of *Jatropha curcas* L. capable of high yield and oil quality in Assam environment, *Current Science*, 2015, 109 p: 552-566.
- Congratulations!**
- The following members of staff have been promoted to the next higher grade as per recommendation of the Assessment Committee with effective dates as shown:
- | Name             | Grade promoted to | Effective date of promotion |
|------------------|-------------------|-----------------------------|
| Dr R L Bezbaruah | Chief Scientist   | 19.07.2013                  |
| Dr P K Bora      | Chief Scientist   | 17.12.2013                  |
- Farewell**
- The following staff members have retired from the Council's service on superannuation from CSIR-NEIST during July-August, 2015.
1. Dr P K Bora, Chief Scientist.
  2. Dr S C Nath, Chief Scientist.
  3. Mr M K Das, Lab Assistant.

