

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

Awards/Accolades

Ms. Deepi Deka, Project Fellow receives Best Oral Presentation Award

Ms. Deepi Deka, Project Fellow, CSIR-NEIST branch laboratory, Itanagar has been awarded 'Best Oral Presentation Award' at the Carbon Capture and its Utilization conference jointly organized by CSIR-NCL, Pune and the Royal Society of Chemistry during 14-15 December 2018 at CSIR-NCL. Ms. Deepi is currently pursuing her Ph D degree under the supervision of Dr Natarajan Velmugan, Scientist, branch lab.

Ms. Poulommi Mondal, JRF receives IGU's Anni Talwani Memorial Grant

Ms. Poulommi Mondal, Junior Research Fellow, Geosciences & Technology Division (GSTD) has been selected for Anni Talwani Memorial Grant for Young Women Researcher of Indian Geophysical Union (IGU) to participate as a delegate in the 55th Annual Convention on 'Changing Water cycle & Water Resources' held at Rabindranath Tagore University, Bhopal during 5-7 December 2018. Ms. Poulommi is currently pursuing her Ph D under the supervision of Dr Debashis Mohanty, Scientist, GSTD.

Exhibition

CSIR-NEIST participated in Jorhat Book Fair 2018

CSIR-NEIST participated in S&T exhibition held on the occasion of 12th Book Fair organized by Assam Academic Centre, Jorhat during 5-16 December 2018 at Jorhat Court Field. Various R&D activities and technological capabilities of the Institute including ready-to-transfer technologies and processes were disseminated in the exhibition through various posters and exhibit materials. The stall was visited by a number of entrepreneurs, students and general public.



(From above) Front view of the CSIR-NEIST exhibition stall set up at 12th Jorhat Book Fair. Mr Madhurjya Saikia, Sr Technical Officer, CSIR-NEIST interacting with visitors at the stall.

CSIR-NEIST branch lab, Imphal participated in AROGYA Fair 2018



Visitors at the stall of CSIR-NEIST branch lab, Imphal at AROGYA Fair 2018.

Man needs difficulties because to enjoy the success that they need to.

Dr A P J Abdul Kalam

CSIR-NEIST branch lab, Imphal participated in the AROGYA Fair 2018 organized by AYUSH Dept., State Medicinal Plants Board, Govt. of Manipur during 6-9 December 2018. Various activities of the branch lab in the area of medicinal & aromatic plants were exhibited at the stall.

Papers published

In International Peer Reviewed Journals

- Dasgupta A, Saikia R, Handique P J: Mapping the Bacterial Community in Digboi Oil Refinery, India by High-Throughput Sequencing Approach, *Current Microbiology*, 2018, 75(11), p: 1441-1446,
- Muinao T, Pal M, Deka Boruah H P: Origins based clinical and molecular complexities of epithelial ovarian cancer, *International Journal of Biological Macromolecules*, 2018, 118(PART A), p: 1326-1345
- Munda S, Saikia P, Lal M: Chemical composition and biological activity of essential oil of *Kaempferia galanga*: a Review, *Journal of Essential Oil Research*, 2018, 30(5), p: 303-308
- Dutta L, Bhuyan P J: Copper-catalyzed oxidative synthesis of 2-oxo-acetamidines from one-pot three-component reaction of aryl methyl ketones, secondary amines and anilines, *Tetrahedron*, 2018, 74(39), p: 5770-5778
- Das D, Sarkar S, Bordoloi J, Wann S B, Kalita J, Manna P: Daidzein, its effects on impaired glucose and lipid metabolism and vascular inflammation associated with type 2 diabetes, *BioFactors*, 2018, 44(5), p: 407-417
- Darabdhara G, Boruah P K, Das M R: Colorimetric determination of glucose in solution and via the use of a paper strip by exploiting the peroxidase and oxidase mimicking activity of bimetallic Cu-Pd nanoparticles deposited on reduced graphene oxide, graphitic-

carbon nitride, or MoS₂ nanosheets, *Microchimica Acta*, 2019, 186(1), p:1-10. **Highest Impact Factor Paper (IF: 5.705)**

- Borah A, Paw M, Gogoi R, Loying R, Sarma N, Munda S, Pandey S K, Lal M: Chemical composition, antioxidant, anti-inflammatory, antimicrobial and in-vitro cytotoxic efficacy of essential oil of *Curcuma caesia* Roxb. leaves: An endangered medicinal plant of North East India, *Industrial Crops and Products*, 2019, 129 p: 448-454
- Goswami M, Das A M: Synthesis and characterization of a biodegradable Cellulose acetate-montmorillonite composite for effective adsorption of Eosin Y, *Carbohydrate Polymers*, 2019, 206 p: 863-872

In Proceedings of Seminars/Conferences

- Modal P, Mohanty D D: Characterizing the Null anisotropy beneath Tezpur, Northeast India, In: Indian Geophysical Union, 55th Annual convention, December 2018, 2018 p: 87-90

Farewell

The following member(s) of the staff have retired from Council's service on superannuation from CSIR-NEIST w.e.f 31 December 2018.

1. **Dr Tridip Goswami, Principal Scientist**
2. **Mr Biren Saikia, Lab Attendant (2)**
3. **Mr Lokheswar Hazarika, Lab Attendant**
4. **Mr Jadav Chandra Dutta, Group C (MTS)**