

CSIR 800 program

CSIR-NEIST organized Health Camp

A Health Camp was organized under CSIR 800 project titled, "S&T interventions to combat malnutrition in women and children" during 4-5 June, 2016 at CSIR-800 Techvil in Bokajan (Sonitpur), Assam. The camp provided consultation and free medical examination/check-up to 180 targeted malnourished people. Blood samples of the targeted population were collected for clinical examination and biochemical testing while medicines were distributed for free of cost. It may be mentioned that the project which was launched in 2014 has conducted series of health camps to study the health status of the people of the area (Bokajan) and out of which 180 people were found to be malnourished including children. CSIR-NEIST also developed nutritional food products viz., 'nutra ready mix' and 'soft rice' from pigmented/local rice varieties and provided to the people on various occasions. Apart from these, CSIR-NEIST also imparted training on Mushroom cultivation which is a highly nutritional food item. The program was coordinated by Dr S P Saikia, Nodal Scientist of the project.



Dr P K Baruah, Medical Officer & Head, Clinical Centre, CSIR-NEIST conducting medical examination of the malnourished people.

CSIR-NEIST conducted CSIR-UGC NET exam at Jorhat

CSIR-UGC NET exam was held for the first time in Jorhat on 19 June, 2016. Held at J B College, the exam was conducted in two sessions and an overall 71.07% of the registered candidates appeared for the exam from the subject areas viz., Life Science, Physical Science, Chemical Science, Math Science and Earth Science. It may be mentioned that Jorhat has been included as an exam centre w.e.f 2016 with CSIR-NEIST as the Coordinator.

Colloquium held

- **Speaker:** Prof Dhruba Saikia, Vice Chancellor, Cotton College Science University
Topic: Light from the Universe
Date: 23.06.2016

Visit

- A group of faculty members from the School of Agricultural Sciences & Rural Development, Nagaland University visited CSIR-NEIST on 6 June, 2016.
- A group of 48 students of std VIII-X along with 3 teachers from Bahguri Udayan Tribal High School, Dergaon (Golaghat) visited CSIR-NEIST on 6 June, 2016.
- A group of 30 students along with 4 teachers from Purna Vikash Central School, Sivasagar visited CSIR-NEIST on 17 June, 2016.

Papers published

In International Journals

- Boruah P K, Borthakur P, Darabdhara G, Kamaja C K, Karbhal I, Shelke M V, Phukan P, Saikia D, Das M R: Sunlight assisted degradation of dye molecules and reduction of toxic Cr (VI) in aqueous medium using magnetically recoverable Fe₃O₄/reduced graphene oxide nanocomposite, *RSC Advances*, 2016, 6 p:

- 11063.
- Saikia M, Saikia L: Palladium nanoparticles immobilized on an amine-functionalized MIL-101 (Cr) as a highly active catalyst for oxidative amination of aldehydes, *RSC Advances*, 2016, 6(18), p: 14937-14947.
 - Saikia M, Saikia L: Sulfonic acid-functionalized MIL-101(Cr) as a highly efficient heterogeneous catalyst for one-pot synthesis of 2-amino-4H-chromenes in aqueous medium, *RSC Advances*, 2016, 6(19), p: 15846-15853.
 - Hussain N, Gogoi P, Azhagan M V K, Shelke M V, Das M R: Correction: Green synthesis of stable Cu(0) nanoparticles onto reduced graphene oxide nanosheets: A reusable catalyst for the synthesis of symmetrical biaryls from arylboronic acids under base-free conditions, *Catalysis Science and Technology*, 2016, 6(4), p: 1234.
 - Das T, Boruah P K, Das M R, Saikia B K: Formation of onion-like fullerene and chemically converted graphene-like nanosheets from low-quality coals: Application in photocatalytic degradation of 2-nitrophenol (Article), *RSC Advances*, 2016, 6(42), p: 35177-35190.
 - Goswami L, Gogoi S, Gogoi J, Boruah R K, BORUAH R C, GOGOI P: Facile Diversity-Oriented Synthesis of Polycyclic Pyridines and Their Cytotoxicity Effects in Human Cancer Cell Lines, *ACS Combinatorial Science*, 2016, 18(5), p: 253-261.
 - Dey T, Dutta P, Manna P, Kalita J, Boruah H P D, Buragohain A K, Unni B, Ozah D, Kumar Goswami M, Kotokey R K : Cigarette smoke compounds induce cellular redox imbalance, activate NF- κ B, and increase TNF- α /CRP secretion: A possible pathway in the pathogenesis of COPD (Article), *Toxicology Research*, 2016, 5(3), p: 895-904.
 - Das H, Saikia P, Kalita D : Physico-mechanical properties of banana fiber reinforced polymer composite as an alternative building material, *Key Engineering Materials*, 2016, 650 p: 131-138.
 - Dutta P, Dey T, Manna P, Kalita J: Antioxidant Potential of *Vespa affinis* L., a Traditional Edible Insect Species of North East India, *Ploesone*, 2016, 11(5), p: 2016.
 - Khan R, Pal M, Kuzikov A V, Bulko T, Suprun E V, Shumyantseva V V: Impedimetric immunosensor for detection of cardiovascular disorder risk biomarker (Article), *Materials Science and Engineering C*, 2016, 68(1), p: 52-58.
 - Surneni N, Barua N C, Saikia B: Application of natural feedstock extract: The Henry reaction (Article), *Tetrahedron Letters*, 2016, 57(25), p: 2814-2817.
 - Choudhury R, Gupta U N, Waanders F B, Saikia B K: A multi-analytical study on the sulphur components in some high sulphur Indian Tertiary coals (Article), *Arabian Journal of Geosciences*, 2016, 9(2), p: 1-13.
 - Chandrasekhar D, Borra S, Nanubolu J B, Maurya R A: Visible Light Driven Photocascade Catalysis: Ru(bpy)₃(PF₆)₂/TBHP-Mediated Synthesis of Fused β -Carbolines in Batch and Flow Microreactors, *Organic Letters*, 2016, 18(12), p: 2974-2977.
 - Banik D, Bora P P: A taxonomic study on the diversity of Indian *Knema* Lour. (Myristicaceae), *Taiwania*, 2016, 61 p: 141 - 158.
 - Mishra D, Yadav V, Khare P V, Jyotshna, Das M R, Meena A, Shanker K, Yadav V : Development of crystalline cellulosic fibres for sustained release of drug, *Current Topics in Medicinal Chemistry*, 2016, 16(18), p: 2026-2035.
- **Total papers published: 15 nos.**
 - **Highest Impact Factor: 6.732**

Farewell

The following members of the staff have retired from Council's service on superannuation from CSIR-NEIST on 30 June, 2016.

1. Mrs Purnima Hazarika, Private Secretary
2. Mr Brojendra N Deuri Phukan, Sr Tech (2)
3. Mr Nogen C Gogoi, Lab Assistant