

THESES OF THE MONTH

SCIENCE & TECHNOLOGY



A List of doctoral theses accepted by Indian Universities (Notifications received in AIU during the month of Sep.- Oct. 2019)

✓ AGRICULTURAL & VETERINARY SCIENCES

✓ Agricultural Business

1. Bhatt, Jagruti Dharmesh. **Performance analysis and market integration of regulated markets in Gujarat.** (Dr. K A Khunt), P.G. Institute of Agri Business Management, Junagadh Agricultural University, Junagadh.

✓ Biochemistry

1. Hakeem, Suhail Ahmad A. **Mapping and validation of SSR markers associated with foliar-fungal disease resistance QTLs and development of RILs in groundnut (*Arachis hypogaea* L).** (Dr. H P Gajera), Department of Biochemistry, Junagadh Agricultural University, Junagadh.

✓ Entomology

1. Satish, B N. **Population dynamics of coconut eriophyid mite, *Aceria guerreroni* Keifer and biological attributes of *Neoseiulus baraki* athias-henriot (Acari: Phytoseiidae).** (Dr. G G Radadia), Department of Entomology, Navsari Agricultural University, Navsari.

BIOLOGICAL SCIENCES

✓ Biotechnology

1. Mahto, Binod Kumar. **Development of transgenic lines of tomato and chilli plants against anthracnose disease.** (Prof. Pallavolu Maheshwara Reddy and Prof. Swatismita Dhar-Ray), Department of Bioresources & Biotechnology, TERI University, New Delhi.

2. Nath, Bikash Kar. **Geospatial modelling and impact assessment of groundwater arsenic contamination in the Brahmaputra River Basin and development of remediation-ready nanobiosorbents.** (Dr E Kalita), Department of Molecular Biology and Biotechnology, Tezpur University, Tezpur.

3. Sahoo, Ambika. **Molecular characterization of *curcuma* species emphasizing on *curcuma longa* L (Turmeric) for cultivar identification using SSR marker.** (Prof. Sanghamitra Nayak), Department of Biotechnology, Siksha O Anusandhan University, Bhubaneswar.

4. Tyagi, Shikha. **Study of transcriptional regulators involved in flowering in brassica species.** (Prof. Anandita Singh), Department of Biotechnology, TERI University, New Delhi.

✓ Botany

1. Vanlalsanga. **Study of genetic diversity of selected indigenous rice varieties of Mizoram.** (Dr. Y T Singh), Department of Botany, Mizoram University, Aizawl.

Marine Science

1. Dave, Tushar Hareshkumar. **Status of seaweed flora and biodiversity of associated shellfishes from Intertidal Zone at Okha (Gulf of Kachchh), Gujarat.** (Dr. D T Vaghela), College of Fisheries Science, Junagadh Agricultural University, Junagadh.

✓ Molecular Biology

1. Das, Pranjal Pratim. **A study on development of botanical pesticide for effective management of the major tea pest *Helopeltis theivora* waterhouse with reference to tea plantations in Assam.** (Dr. Tapas Medhi), Department of Molecular Biology and Biotechnology, Tezpur University, Tezpur.

2. Dutta, Sumita. **Characterization and assessment of therapeutic potential of Indian cobra (*Naja naja*) venom anticoagulant phospholipase A₂ enzyme and a 7-mer peptide developed from this enzyme.** (Prof. A.K. Mukherjee), Department of Molecular Biology and Biotechnology, Tezpur University, Tezpur.

3. Niraj Singh. **Development of an efficient root inoculation method of *Ralstonia solanacearum* FIC1 in tomato and eggplant seedlings and its applications to study plant-microbe interactions.** (Prof. S.K. Ray), Department of Molecular Biology and Biotechnology, Tezpur University, Tezpur.

4. Sarma, Himakshi. **In silico study on the structure and dynamics of human lemur tyrosine Kinase 3 (LMTK3): A new potential target for breast cancer.** (Dr. M.V. Satish Kumar), Department of Molecular Biology and Biotechnology, Tezpur University, Tezpur.

5. Simran Kaur. **Expression and characterization of recombinant flavikunin: A kunitz-type serine protease inhibitor from the venom of *Bungarus flaviceps*.** (Dr. Robin Doley), Department of Molecular Biology and Biotechnology, Tezpur University, Tezpur.

EARTH SYSTEM SCIENCES

Environmental Science

1. Anand Kumar. **Arsenic release mechanism in Indus River Basin, Punjab, India.** (Prof Chander Kumar Singh), Department of Energy and Environment, TERI University, New Delhi.

2. Ghosh, Madhumita. **Effect of Blended Application of amendments on soil quality, crop growth and grain yield in the rice (*Oryza sativa* L.) of North Bank Plains Zone of Assam.** (Dr. Ashalata Devi), Department of Environmental Science, Tezpur University, Tezpur.

3. Sahu, Pokhraj. **Study of flouride contaminated ground water quality and health risk assessment owing to bioaccumulation of flouride in cultivated crops and fodder plants.** School of Biosciences, Babu Banarasi Das University, Lucknow.

ENGINEERING SCIENCES

Aerospace Engineering

1. Madhanraj, V. **Effect of piezo electricity on boundary layer development on unsymmetrical airfoil.** Department of Aeronautical Engineering, Hindustan Institute of Technology and Science, Chennai.