

# THESES OF THE MONTH

## SCIENCE & TECHNOLOGY

A List of doctoral theses accepted by Indian Universities  
(Notifications received in AIU during the month of September - October, 2020)

### AGRICULTURAL & VETERINARY SCIENCES

#### Biochemistry

1. Khodifad, Bhargavbhai Chitharbhai. **Development of continuous microwave dryer for leafy vegetables.** (Dr. N K Dhamsaniya), Department of Biochemistry, Junagadh Agricultural University, Junagadh.

#### Biotechnology

1. Kant. **Production, purification and industrial application of microbial xylanase.** (Dr. Vikas Beniwal), Department of Biotechnology, Maharshi Markandeshwar University, Ambala.

#### Entomology

1. Vyas, Umeshkumar Maheshkumar. **Bio-rationale management of root rot [*Macrophomina phaseolina* (Tassi) goid] of sesame (*Sesamum indicum* L).** (Dr. L F Akbari), Department of Entomology, Junagadh Agricultural University, Junagadh.

2. Zinzuvadiya, Hasmukh Dhirubhai. **Biodiversity of insect pollinators in economically important crops of South Gujarat.** (Dr. L V Ghetiya), Department of Entomology, Navsari Agricultural University, Navsari.

### BIOLOGICAL SCIENCES

#### Biotechnology

1. Khullar, Shikha. **Glutathione metabolism and proteome analysis of ectomycorrhizal fungi in response to heavy metal stress.** (Dr. M Sudhakara Reddy), Department of Biotechnology, Thapar Institute of Engineering and Technology, Patiala.

2. Wahlang, Daniel Regie. **Cytogenetic and molecular analysis of genomic changes induced by colchicine in *Vigna radiata* (L) Wilczek and *Vigna mungo* (L) Hepper.** (Prof. Satyawada Rama Rao), Department of Biotechnology & Bioinformatics, North Eastern Hill University, Shillong.

#### Botany

1. Singh, Nutan. **Characterization and analysis of tissue-specific expression of chalcone synthase gene from *Coelogyne ovalis* Lindl under varying experimental conditions.** (Prof. Suman Khatri Kumaria and Prof. Pramod Tandon), Department of Botany, North Eastern Hill University, Shillong.

#### Food Science & Technology

1. Parelkar, Manisha Ajay **Comprehension of nutrition messages in labelling and its effect on the behaviour of**

**graduate consumers in Mumbai.** (Dr. Jagmeet Madan and Dr. Madhura Kesarkar), Department of Food Science & Nutrition, S.N.D.T. Women's University, Mumbai.

#### Genetics

1. Teltumbade, Manoj Ramesh. **Transgenerational epigenetic inheritance of dietary factor-induced metabolic perturbation in *Drosophila*.** (Dr. Manoj Ramesh Teltumbade), Faculty of Biological Sciences, Academy of Scientific and Innovative Research, Ghaziabad.

#### Marine Science

1. Harsimranjit Kaur. **Effect of garlic (*Allium sativum*) and (*Aloe vera*) supplemented feeds on survival, growth, health, flesh quality and brood stock development of Indian major carp, *Labeo rohita* (HAM).** Department of Aquaculture, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana.

#### Zoology

1. Goel, Vivek. **Biodiversity of spiders (Araneae: Arachnida) of Haryana.** (Dr. Vinay Malik), Department of Zoology, Maharshi Dayanand University, Rohtak.

2. Nigam, Parag. **Chemical immobilization of select wild carnivores and ungulates using sedative and dissociative anaesthetics.** (Dr. Sushant Chowdhury), Department of Wildlife Science, Saurashtra University, Rajkot.

3. Shirsath, Kavita Sahebrao. **Modulatory role of HSP60 and related key genes in pathogenesis of atherosclerotic inflammation.** (Dr. Ranjitsinh Devakar), Department of Zoology, The Maharaja Sayajirao University of Baroda, Vadodara.

4. Vijay Singh. **Biodiversity of ladybirds (Coleoptera: Coccinellidae) in Haryana.** (Dr. Vinay Malik), Department of Zoology, Maharshi Dayanand University, Rohtak.

### EARTH SYSTEM SCIENCES

#### Environmental Science

1. Daljeet Kaur. **Reduction in pollution load in wastewater from rice straw pulp bleaching through process modification.** (Dr. Rajesh Kumar Lohchab and Dr. Nishi K Bhardwaj), Department of Environmental Science, Guru Jambheshwar University of Science & Technology, Hisar.

2. Lalnunthari. **Study on Arbuscular Mycorrhizal Fungi (AMF) communities from Jhum Lands in Mizoram, India.** (Dr. John Zothanzama and Dr. R Lalfakzuala), Department of Environmental Science, Mizoram University, Aizawl.