

# 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, 2018)



#### AGRICULTURAL & VETERINARY SCIENCES

##### Agricultural Engineering

1. Khole, Priyanka Rajkumar. **Development and performance evaluation of mini tractor operated garlic harvester.** (Dr. K K Jain), Department of Farm Machinery and Power Engineering, Junagadh Agricultural University, Junagadh.

##### Biotechnology

1. Manjulatha, Gunturu. **Genetic engineering for abiotic stress tolerance using AtDREBIA gene in rice (Oryza sativa L).** (Dr. T Mohapatra), Department of Biotechnology, Acharya Nagarjuna University, Nagarjuna Nagar.

##### Entomology

1. Tandon, Vikas. **Bio-ecology and management of scrippophaga fusciflua Hampson.** (Dr. Ajay Srivastava), Department of Entomology, CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur.

##### Floriculture

1. Aghera, Samirkumar Rameshbhai. **Effect of biostimulants and biofertilizers on growth, flower yield and quality of tuberose (Polianthes tuberosa L) CV prajwal.** (Dr. R R Viradia), Department of Floriculture and Landscape Architecture, Junagadh Agricultural University, Junagadh.

##### Forestry

1. Wapongnungsang. **Impact of fallow periods and treatments on the pattern of recovery of soil fertility and plant productivity in shifting cultivation sites in Aizawl District, Mizoram.** (Prof. S K Tripathi), Department of Forestry, Mizoram University, Aizawl.

##### Genetics

1. Dayakar, B. **Development of transgenic rice lines for durable resistance against major insects using Bt cry 1 Ac::asal fusion gene.** (Prof. K Venkates), Department of Genetics, Osmania University, Hyderabad.

2. Srivastava, Akanksha. **Introgression and mapping of BPH and resistance gene/QTL from wild species of rice (Oryza Nivara) into elite variety swarna.** (Dr. T Ram), Department of Genetics, Osmania University, Hyderabad.

##### Microbiology

1. Banoth, Chandra Sekhar. **Study on bioethanol production from rice straw using thermotolerant recombinant yeast.** (Dr. B Bhima), Department of Microbiology, Osmania University, Hyderabad.

#### BIOLOGICAL SCIENCES

##### Biochemistry

1. Garg, Vaishali Rani. **Development of Nanopatterned antimicrobial superhydrophobic polymeric coating for**

**medical application.** (Dr. R N Singh), Department of Biochemistry, Uttarakhand Technical University, Dehradun.

##### Biotechnology

1. Tammu, Jyothi Basu. **Phytochemical and pharmacological studies of three physalis species.** (Dr. K Venkata Ramana), Department of Biotechnology, Acharya Nagarjuna University, Nagarjuna Nagar.

##### Botany

1. Allam, Ramaswamy. **Screening of sunflower genotypes for salinity and drought tolerance.** (Prof. S Seeta Ram Rao), Department of Botany, Osmania University, Hyderabad.

2. Kiran, Usha. **Assessment of genetic diversity among selected banana (Musa spp) landraces of Odisha and their micropropagation.** (Prof. P K Chanda and Dr. Lambodar Behera), Department of Botany, Utkal University of Culture, Bhubaneswar.

3. Kumari Anokha. **Ecological studies on fresh water algae in relation to pollution.** (Prof. Anil Shankar Mishra), Department of Botany, Bhupendra Narayan Mandal University, Madhepura.

4. Puja Kumari. **Studies on the mycodeterioration of coconut fruits (Cocosnucifera L) during storage in Madhepura.** (Dr. Ramesh Kumar), Department of Botany, Bhupendra Narayan Mandal University, Madhepura.

5. Raghwendra Kumar. **Study of grasses of North Eastern Region of Bihar State.** (Dr. Kapildeo Prasad), Department of Botany, Bhupendra Narayan Mandal University, Madhepura.

6. Reddy, T Sudhakar. **Characterization and folklore studies of some medicinal plants of Ananthagiri Forest, Vikarabad, Ranga Reddy District, Telangana State.** (Dr. P Kamalakar), Department of Botany, Osmania University, Hyderabad.

7. Singh, Yuvo. **Morpho-anatomical and preliminary phytochemical evaluation for bio-prospecting of silver nanoparticles in relation to their mosquito larvicidal effect of some selected plants.** (Prof. A Vijaya Bhaker Reddy), Department of Botany, Osmania University, Hyderabad.

##### Zoology

1. Bharati, Gunjan. **Study on the energy flow through biotic components in some ponds of Madhepura (Bihar).** (Dr. Shiv Narayan Yadav), Department of Zoology, Bhupendra Narayan Mandal University, Madhepura.

2. Dutta, Somit. **Immunopharmacological evaluation of leaf extract of an ethnomedicinal herb, Croton bonplandianus bail (Euphorbiaceae).** Department of Zoology, University of North Bengal, Darjeeling.

3. Harideo Kumar. **Effect of cobalt chloride (A metallic salt) on the oxygen consumption and blood parameters of an air breathing.** (Dr. Dinesh Yadav), Department of Zoology, Bhupendra Narayan Mandal University, Madhepura.