

THESES OF THE MONTH

SCIENCE & TECHNOLOGY

A List of doctoral theses accepted by Indian Universities
(Notifications received in AIU during the month of May-June, 2018)



AGRICULTURAL & VETERINARY SCIENCES

Agricultural Engineering

1. Waikar, Aniket Udaykumar. **Drought characterization under climate change for sustainable crop planning in Marathwada Region.** (Dr. U M Khodke), Department of Agricultural Engineering, Vasant Rao Naik Marathwada Agricultural University, Parbhani.

2. Wamanrao, Awari Harishchandra. **Estimation of reference evapotranspiration and crop water requirement using artificial neural network for semi-arid region of Maharashtra.** (Dr. U M Khodke), Department of Agricultural Engineering, Vasant Rao Naik Marathwada Agricultural University, Parbhani.

Biotechnology

1. Joshi, Halakben Vibhakarbai Minaxiben. **In silico identification and target prediction of microRNAs and their expression profiling in *Sesamum indicum* L.** (Dr. M K Mandaviya), Department of Plant Molecular Biology and Biotechnology, Junagadh Agricultural University, Junagadh.

Floriculture

1. Pansuriya, Pratik Babulal. **Effect of biostimulants and biofertilizers on growth, flower yield and quality of gladiolus (*Gladiolus grandiflorus* L) CV "American Beauty" under greenhouse conditions.** (Dr. D K Varu), Department of Floriculture and Landscape Architecture, Junagadh Agricultural University, Junagadh.

Genetics & Plant Breeding

1. Grover, Gomti. **Exploiting European winter wheats as a source of rust resistance and alternate dwarfing genes.** Department of Plant Breeding & Genetics, Punjab Agricultural University, Ludhiana.

Microbiology

1. Shah, Hardik Suryakant. **A study on glucoamylase from yeast for its possible industrial applications.** (Dr. Samir C Parikh), Department of Microbiology, Hemchandracharya North Gujarat University, Patan.

Veterinary Science

1. Sharma, Amit Kumar. **Investigation of follicular dynamics and semen cryopreservation in goats.** (Dr. Pankaj Sood), Department of Veterinary Gynaecology and Obstetrics, CSK Himachal Pradesh Krishi Vishwavidyalaya, Palampur.

BIOLOGICAL SCIENCES

Biochemistry

1. Chaudhari, Nirja Kashyapbhai. **Neuro-endocrine modulations in polycystic ovarian syndrome rat model.** Department of Biochemistry, M S University of Baroda, Vadodara.

2. Diengdoh, Omega Lasienhun. **Studies on sequestration**

of heavy metal ions by selected free-living cyanobacteria. (Prof. Mayashree B Syiem), Department of Biochemistry, North Eastern Hill University, Shillong.

3. Keppen, Joshua. **Identification and validation of human radiation response gene(s) and protein (s) as radiation biomarker (s).** (Prof. R N Sharan), Department of Biochemistry, North Eastern Hill University, Shillong.

Biotechnology

1. Ahmed, Vasim. **Molecular analysis of halotolerance mechanisms in unculturable bacteria by functional metagenomics.** (Dr. Nar Singh Chauhan), Department of Biotechnology, Maharshi Dayanand University, Rohtak.

2. Mahto, Kaushal Kumar. **Regulation and role of lipids in fungal resistance.** (Prof. Jaykar Jha), Department of Biotechnology, Lalit Narayan Mithila University, Darbhanga.

Genetics

1. Reena Rani. **Diversity of endophytic fungi isolated from *Calotropis procera* and study of their antimicrobial and anti oxidant activities.** (Dr. J P Yadav), Department of Genetics, Maharshi Dayanand University, Rohtak.

Marine Science

1. Biji, K B. **Application of active packaging for enhancing the shelf life of Yellowfin Tuna (*Thunnus albacares bonnaterre, 1788*) during chilled storage.** (Dr. Ravishankar C N), Central Institute of Fisheries Technology, Cochin University of Science & Technology, Kochi.

2. Roshni, K. **Impact of an invasive Cichlid *Oreochromis mossambicus* on indigenous Cichlid *Etilopplus suratensis* in Vembanad Lake, Kerala.** (Prof. B Madhusoodana Kurup), School of Industrial Fisheries, Cochin University of Science & Technology, Kochi.

Microbiology

1. Patel, Jankibahen Kiritbhai. **Characterization and enhancement of plant growth promoting traits in diazotrophic endophytic bacteria from poaceae plants.** Department of Microbiology, M S University of Baroda, Vadodara.

Zoology

1. Lal, Priyanka. **Studies on the influence of hyperammonia and desiccation stresses on the expression of mRNAs for ornithine-urea cycle enzymes, enzyme proteins and mitogen activated proteins kinases in the air-breathing catfish, *Heteropneustes fossilis* (Bloch).** (Prof. Nirmalendu Saha), Department of Zoology, North Eastern Hill University, Shillong.

2. Poonam. **Effect of differently heat processed soybean based diets on growth and nutrient utilization of commonly available freshwater fish.** (Dr. Sudesh Rani), Department of Zoology, Maharshi Dayanand University, Rohtak.

3. Richa. **Study on possible measurement of**