

# 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 2019)



#### ✓ AGRICULTURAL & VETERINARY SCIENCES

##### ✓ Agricultural Engineering

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

2. Gajjar, Punil Prabhuhai. **Development and performance evaluation of tractor mounted precision planter for onion.** (Dr. R Yadav), Department of Farm Machinery and Power Engineering, Junagadh Agricultural University, Junagadh.

##### ✓ Biotechnology

1. Kalia, Sonika. **Genetics and mapping of neck blast resistance gene(s) from RIL4- a recombinant inbred line derivative of the broad spectrum resistant genotype 'Tetep'.** (Dr. Rajeev Rathour), Department of Agricultural Biotechnology, CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur.

2. Kavita. **Improvement in micropropagation protocol for rapid seed production and fidelity analysis of plants using molecular markers in sugarcane.** (Dr. Sangeeta Saxena and Dr. Madan Lal), Department of Biotechnology, Babasaheb Bhim Rao Ambedkar University, Lucknow.

##### ✓ Horticulture

1. Dhillon, Navjot Singh. **Genetics studies in tomato (*Solanum lycopersicum* L).** (Dr. Parveen Sharma), Department of Horticulture, CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur.

2. Pandey, Swapnil. **Development and characterization of low chill peach genotypes for superior fruit quality.** Department of Horticulture, Punjab Agricultural University, Ludhiana.

##### ✓ Veterinary Science

1. Awandkar, Sudhakar Pralhad. **Development of truncated Infectious bursal disease virus VP2 protein based diagnostic antigen and its efficiency as candidate immunogen.** (Dr. P A Tembhrane), Department of Veterinary Microbiology, Maharashtra Animal and Fishery Sciences University.

2. Babarao, Ashwar Netra. **Standardization of multiresidue method for detection of selected organochlorine pesticide residues and its quantification in meat and fish.** (Dr. A M Paturkar), Veterinary Public Health, Maharashtra Animal and Fishery Sciences University.

3. Khante, Gauri Sudhir. **Evaluation of surgicotherapeutic approach in spinal disorders in dogs with posterior paresis and hindquarter weakness.** (Dr. S V Upadhye), Department of Veterinary Surgery and Radiology, Maharashtra Animal and Fishery Sciences University.

4. Shirale, Shridhar Yashwant. **Epidemiological, diagnostic and chemotherapeutic evaluation of bubaline trypanosomosis in Mumbai Region.** (Dr. H Y Palampalle), Department of Veterinary Parasitology, Maharana Pratap University of Agriculture & Technology, Udaipur.

#### ✓ BIOLOGICAL SCIENCES

##### Biochemistry

1. Vidya, V. **Studies to evaluate the ameliorative effects of lutein in electron beam radiation induced tissue damage and oxidative stress.** (Dr. Ronald Fernandes), Faculty of Allied Health Sciences, Nitte University, Mangaluru.

##### Biotechnology

1. Mohanty, Jatindra Nath. **Genomic approaches towards characterization of sex linked genes in some important genera cucurbitaceae.** (Dr. Raj Kumar Joshi), Department of Biotechnology, Siksha O Anusandhan University, Bhubaneswar.

2. Priti. **In vitro propagation and screening of endophytes of *Tinospora cordifolia* for bioactive metabolites.** (Dr. Sulekha Rani), Department of Biotechnology, Kurukshetra University, Kurukshetra.

3. Rashmi, K V. **Taxonomy and phylogeny of medicinally important genus mucuna using molecular approaches and DNA barcoding of Indian species.** (Dr. Vidya S. M), Faculty of Allied Health Sciences, Nitte University, Mangaluru.

4. Sharmila K P. **A study on immunostimulatory potential of *Asparagus racemosus* root extract and isoprinosine against ionising radiation induced immunosuppression.** (Dr. Ronald Fernandes), Faculty of Allied Health Sciences, Nitte University, Mangaluru.

##### Marine Science

1. Chudasama, Bharatkumar Govindji. **Development and characterization of fish crackers made from the bull's eye (*Priacanthus hamrur*, Forsskal, 1775) fish meat.** (Dr. S M Zofair), Department of Fish Processing Technology, Junagadh Agricultural University, Junagadh.

2. Muhammed Rafeeqe, K T. **Multiple food safety management systems in the seafood industry in India.** (Dr. Mini Sekharan N), School of Marine Science, Cochin University of Science & Technology, Kochi.

3. Vinida, K. **Optimal tuning of H infinity speed controller for sensorless BLDC motor using PSO and its simulation study in underwater applications.** (Dr. Mariamma Chacko), Department of Ship Technology, Cochin University of Science & Technology, Kochi.

#### EARTH SYSTEM SCIENCES

##### Environmental Science

1. Ahmad, Shamshad. **Spectral conversion of light with**