

# THESES OF THE MONTH

## SCIENCE & TECHNOLOGY



### A List of doctoral theses accepted by Indian Universities (Notifications received in AIU during the month of April-May, 2019)

#### AGRICULTURAL & VETERINARY SCIENCES

##### Agronomy

1. Patil, Chandrakant Baburao. **Studies on productivity and profitability of safflower (*Carthamus tinctorius* L) based intercropping systems under protective irrigation.** (Dr. A S Karle), Department of Agronomy, Vasant Rao Naik Marathwada Agricultural University, Parbhani.

##### Biochemistry

1. Ukani, Piyush Kantilal. **Biochemical and molecular analysis in pearl millet (*Pennisetum glaucum* L) genotypes under heat stress during flowering stage.** (Dr. M K Mandavia), Department of Biochemistry, Junagadh Agricultural University, Junagadh.

##### Biotechnology

1. Yadav, Dhannajay Kumar. **Improvement of antagonistic ability and characterization of secondary metabolites of *Bacillus amyloliquefaciens* to manage bacterial wilt of tomato caused by *Ralstonia solanacearum*.** (Dr. Narendera Kumar and Dr. Dinesh Singh), Amity Institute of Biotechnology, Amity University, Gurgaon.

##### Horticulture

1. Debbarma, Nadia. **Identification of the geographical origin of jackfruit (*Artocarpus heterophyllus* Lam) through multielemental fingerprinting using ICPMS.** (Dr. S Manivannan), Department of Horticulture, Sikkim University, Gangtok.

2. Gupta, Vijay Kumar. **Study of the integrated nutrient management on growth, yield and quality of cabbage (*Brassica oleracea* var *Capitata* L).** (Dr. Girish Pandey), Department of Horticulture, ITM University, Gwalior.

##### Plant Pathology

1. Khunt, Ankitkumar Rameshbhai. **Characterization of *Puccinia triticina* eriks henn causing leaf rust of wheat and its management.** (Dr. L F Akbari), Department of Plant Pathology, Junagadh Agricultural University, Junagadh.

##### Soil Science

1. Patel, Kamleshkumar Chaturbhai. **Water balance modeling using remote sensing and GIS in GIR forest.** (Dr. N K Gontia), Department of Soil and Water Engineering, Junagadh Agricultural University, Junagadh.

##### Veterinary Science

1. Surbhi. **Exploration of detoxification mechanisms of acaricide resistance in ixodid ticks.** (Dr. Nirmal Sangwan), Department of Veterinary Biochemistry, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar.

#### BIOLOGICAL SCIENCES

##### Biology

1. Manikandan, K. **Role of cyclic di-AMP in mycobacterial physiology and virulence.** (Dr. Krishna Murari Sinha and Dr. Anuja Krishnan), Department of Biology, Amity University, Gurgaon.

##### Biotechnology

1. Joshi, Chinmayi Kamleshkumar. **Investigation on anti-pathogenic potential of panchvalkal and punica granatum peel extract against certain human-pathogenic bacteria.** (Dr. Vijay Kothari), Department of Biotechnology, Nirma University, Ahmedabad.

2. Krishnan, Aditi Mohan. **Inclusion of non-target antigen in vaccination favors generation of Ov: A Specific Cd4 Memory T Cells.** (Dr. Sarat Dalai), Department of Biotechnology, Nirma University, Ahmedabad.

3. Parmar, Rajesh. **Infectious nature of plasmodium berghei sporozoite modulates APCs to induce better liver-stage memory CD8+T cells.** (Dr. Sarat Dalai), Department of Biotechnology, Nirma University, Ahmedabad.

4. Yadav, Naveen. **Understanding the plasmodium berghei liver-stage specific CD8+ T Cells: Maintenance and role in liver damage.** (Dr. Sarat Dalai), Department of Biotechnology, Nirma University, Ahmedabad.

##### Botany

1. Mohan Lal. **Floristic diversity and ethnobotany of Southern Haryana.** (Dr. B D Vashistha), Department of Botany, Kurukshetra University, Kurukshetra.

2. Vyas, Payal Pradyuman. **Bioremoval of fluoride from ground water of selected regions of Gujarat and impact of fluoride on certain crop plants.** Department of Botany, M S University of Baroda, Vadodara.

##### Life Science

1. Mohammedahmed, Saiyed Nazia. **A study of birth defects: Genetic and epigenetic determinants.** (Dr. Sonal Bakshi), Department of Life Science, Nirma University, Ahmedabad.

2. Pradhan, Antaryami. **Assessment of biodiversity and ecosystem services rendered by the sacred groves.** (Prof. S P Mishra), Department of Life Science, Sambalpur University, Sambalpur.

##### Marine Science

1. Anoop Prasad, C. **Salinity distribution in the upper layers of the Bay of Bengal and its response to climatic events.** (Dr. P V Hareesh Kumar), Department of Naval Physical and Oceanographic Laboratory, Cochin University of Science & Technology, Kochi.

2. Jacob, Jithu Paul. **Enrichment of Poly Unsaturated Fatty**