

# 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, 2018)



#### AGRICULTURAL & VETERINARY SCIENCES

##### Agricultural Engineering

1. Housalmal, Sukanya Surendra. **Optimization of process for production of keser mango leather using foam mat drying technique.** (Dr. S U Khodke), Department of Agricultural Process Engineering, Vasantrya Naik Marathwada Agricultural University, Parbhani.

2. Pawar, Savia Gangadharrao. **Development of sprouted soy fortified millet flour based ready-to-eat snack using microwave puffing technique.** (Dr. I L Pardeshi), Department of Agricultural Engineering, Dr Panjabrao Deshmukh Krishi Vidyapeeth, Akola.

3. Salunkhe, Rajanee Vasantrya. **Optimization of irrigation schedules for capsicum under protected and open cultivation.** (Dr. S B Wadatkar), Department of Agricultural Engineering, Dr Panjabrao Deshmukh Krishi Vidyapeeth, Akola.

##### Food Science & Technology

1. Chaudhary, Nisha. **Microstructural, thermoanalytical and functional assessment of wheat storage prolamins.** (Prof. B S Khatkar and Dr. Subhash Kajla), Department of Food Technology, Guru Jambheshwar University of Science & Technology, Hisar.

2. Ritu. **Isolation, characterization and food applications of pseudocereal starch.** (Prof. B S Khatkar), Department of Food Technology, Guru Jambheshwar University of Science & Technology, Hisar.

##### Forestry

1. Chandrima Debi. **Influence of bioinoculants on biotization, biomass yield and accumulation of some bioactive compound(s) in *Oroxylum indicum (L) Benth ex Kurz.*** (Dr. Vipin Parkash), Department of Forest Botany, Forest Research Institute, Dehradun.

2. Dhakad, Ashok Kumar. **Molecular phylogeny of selected tree species of families fabaceae, caesalpinaceae and mimosaceae of Uttarakhand.** (Dr. Anup Chandra and Dr. Santan Barthwal), Department of Forest Botany, Forest Research Institute, Dehradun.

3. Rawat, Suman. **Morphological and molecular studies of *Sclerotium rolfsii* causing leaf spot disease in poplar.** (Dr. Y P Singh and Dr. Santan Barthwal), Department of Forest Pathology, Forest Research Institute, Dehradun.

4. Sharma, Bhavika. **Air pollution tolerance of temperate woody vegetation growing along the National Highway No 5 from Solan to Shimla, Himachal Pradesh.** (Dr. Sandeep Sharma and Dr. S K Bhardwaj), Department of Forest Ecology and Environment, Forest Research Institute, Dehradun.

5. Thomas, Kuruvilla. **Population structure, carbon sequestration, litter dynamics and propagation of selected rare bamboos of Western Ghats.** (Dr. K K Seethalakshmi),

Department of Forest Management, Forest Research Institute, Dehradun.

##### Genetics & Plant Breeding

1. Deshmukh, Sanjay Girirao. **Genetic improvement for yield, its components and lysine content in wheat.** (Dr. N R Potdukhe), Department of Agricultural Botany, Dr Panjabrao Deshmukh Krishi Vidyapeeth, Akola.

##### Horticulture

1. Baviskar, Mangesh Nathuram. **Optimization of guava nutrition under high density planting.** (Dr. S G Bharad), Department of Horticulture, Dr Panjabrao Deshmukh Krishi Vidyapeeth, Akola.

2. Chavan, Sachin Keshav. **Genetic improvement and DNA finger printing studies in *Adenium obesum (FORSSK) roem and schult.*** (Dr. Alka Singh), Department of Floriculture and Landscape Architecture, Navsari Agricultural University, Navsari.

3. Wankhade, Sonali Rameshrao. **Studies on performance and nutrient requirement of onion varieties in late Kharif season.** (Dr. P K Nagre), Department of Horticulture, Dr Panjabrao Deshmukh Krishi Vidyapeeth, Akola.

##### Soil Science

1. Sthool, Vijay Atmaramji. **Studies on some modifications in parameters of curve number method with incorporation of locally developed relationship.** (Dr. A A Atre), Department of Soil and Water Conservation Engineering, Mahatma Phule Krishi Vidyapeeth, Rahuri, District Ahmednagar.

#### BIOLOGICAL SCIENCES

##### Biochemistry

1. Qayoom, Gousia. **An investigation into the polymorphisms of TSH-R and TPO genes in patients with thyroid disorder in Kashmir.** (Prof. Bashir Ahmad and Dr. Shariq Rashid Masoodi), Department of Biochemistry, University of Kashmir, Srinagar.

##### Bioinformatics

1. Hema, K. **In silico identification of potential drug targets and vaccine candidates against pathogens causing atherosclerosis.** (Dr. A Umamaheswari), Department of Bioinformatics, Sri Venkateswara Institute of Medical Sciences & University, Tirupati.

2. Pradeep, N. **Multiple docking strategies and pharmacophore design for amyloid pathway proteins.** (Dr. A Umamaheswari), Department of Bioinformatics, Sri Venkateswara Institute of Medical Sciences & University, Tirupati.

##### Biotechnology

1. Bashir, Muneesha. **To understand the signal transduction pathway involving the role of p66shc and**