

THESES OF THE MONTH

SCIENCE & TECHNOLOGY

A List of doctoral theses accepted by Indian Universities
(Notifications received in AIU during the month of December, 2016-January 2017)

AGRICULTURAL & VETERINARY SCIENCES

Agronomy

1. Sunil Kumar. **Effect of vegetative barriers and improved forage species on productivity of degraded grassland.** (Dr. Naveen Kumar), Department of Agronomy, Forages and Grass land Management, CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur.

Food Science & Technology

1. Gohil, Jigarkumar Hemrajibhai. **Effect of maturity levels and spermine on low temperature storage in Papaya cv Red Lady Taiwan.** (Dr. T R Ahlawat), Department of Fruit Science, Navsari Agricultural University, Navsari.

Genetics & Plant Breeding

1. Gawande, Nitin Govinda. **Study of gene action for yield components and combining ability of elite genotypes in cotton (*Gossypium hirsutum* L).** (Dr. D B Deosarkar), Department of Agricultural Botany, Vasantnaik Marathwada Agricultural University, Parbhani.

2. Patil, Amol Eknath. **Genetic evaluation of yield, yield contribution characters and fibre quality in upland cotton (*Gossypium hirsutum* L).** (Dr. D B Deosarkar), Department of Agricultural Botany, Vasantnaik Marathwada Agricultural University, Parbhani.

3. Patil, Vikrant Suresh. **Studies on the effect of physical and chemical mutagens on quantitative and qualitative parameters in desi cotton (*Gossypium arboreum* L).** (Dr. H V Kalpande), Department of Agricultural Botany, Vasantnaik Marathwada Agricultural University, Parbhani.

Veterinary Science

1. Pathak, Virender. **Gross histological and histochemical studies on the respiratory system of Gaddi Sheep.** (Dr. Rajesh Rajput), Department of Veterinary Anatomy, CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur.

BIOLOGICAL SCIENCES

Biochemistry

1. Dibyendu, Raj. **Studies on the oxidative stress management in *Giardia lamblia*.** (Dr. Sandioan Ganguly), National Institute of Cholera and Enteric Diseases, University of Calcutta, Kolkata.

2. Kahkashan, Rashid. **Amelioration of oxidative stress, inflammation in organ pathophysiology diabetic complications by dietary antioxidants.** (Prof. Parames Chandra Sil), Bose Institute, Kolkata, University of Calcutta, Kolkata.

3. Sil, Rajarshi. **Studies on fructose-induced metabolic syndrome.** (Prof. Abhay Sankar Chakrabarti), Department of Biophysics, Molecular Biology & Bioinformatics, University of Calcutta, Kolkata.

Biology

1. Ray, Angana. **Computational studies on biologically important macromolecules.** (Prof. Dhananjay Bhattacharyya), Saha Institute of Nuclear Physics, University of Calcutta, Kolkata.

Botany

1. Devi, Kshetrimayum Mirabai. **Bioactivity and secondary metabolites of some freshwater microalgae.** (Prof. S K Mehta), Department of Botany, Mizoram University, Aizawl.

2. Patel, Ashaben Kirtibhai. **Studies on mass multiplication and phytochemical analysis of pterocarpus marsupium (ROXB): An important medicinal plant.** (Dr. I C Patel), Department of Life Science, Hemchandracharya North Gujarat University, Patan.

3. Patel, Kirankumar Baldevbhai. **Plant resource survey of riverion vegetation of Sabarkantha District in North Gujarat.** (Dr. N B Patel), Department of Botany, Hemchandracharya North Gujarat University, Patan.

Microbiology

1. Biswas, Jhuma. **Production of extracellular polymeric substances by halophilic bacteria from hypersaline environments.** (Prof. Amal Kanti Paul), Department of Botany, University of Calcutta, Kolkata.

2. Maharana, Jitesh Kumar. **Assessment of coal mine spoil reclamation through different biological soil quality indicators.** (Dr. A K Patel), Department of Life Science, Sambalpur University, Sambalpur.

Molecular Biology

1. Purkait, Bidyut. **Studies on the involvement of membrane composition and thiol metabolic pathway in amphotericin B resistance mechanism for clinical isolates of *leishmania donovani*.** (Dr. Pradeep Das), Department of Molecular Biology, University of Calcutta, Kolkata.

2. Rudra, Paulami. **Mechanism of inhibition of transcription by Rv 1222 of *mycobacterium tuberculosis*.** (Dr. Jayanta Mukhopadhyay), Bose Institute, Kolkata, University of Calcutta, Kolkata.

3. Sengupta, Shreya. **Study of 'Sigma cycle' paradigm in *bacillus subtilis*.** (Dr. Jayanta Mukhopadhyay), Bose Institute, Kolkata, University of Calcutta, Kolkata.

Zoology

1. Saikia, Purbajyoti. **A study on expression pattern of Vascular Endothelial Growth Factor (VEGF) in uterine tissues and fetal maternal interface during periimplantation (Day 1 to day 8 of gestation) in albino mice.** (Prof. H N Sarma), Department of Zoology, Rajiv Gandhi University, Itanagar.