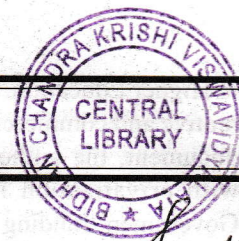


# THESES OF THE MONTH



## SCIENCE & TECHNOLOGY

### A List of doctoral theses accepted by Indian Universities (Notifications received in AIU during the month of May-June, 2016)

#### AGRICULTURAL & VETERINARY SCIENCES

##### ✓ Agricultural Extension

1. Bariya, Minaxiben Kanjibhai. **Impact of self help groups promoted under integrated watershed management programme on empowerment of women.** (Dr. P R Kanani), Department of Agricultural Extension, Junagadh Agricultural University, Gujarat.

##### ✓ Agronomy

1. Chhodavadia, Sunil Kumar Kalubhai. **Efficacy of various herbicides in bt cotton (*Gossypium hirsutum* L) and determination of their persistence through bioassay technique.** (Dr. B K Sagaraka), Department of Agronomy, Junagadh Agricultural University, Gujarat.

##### ✓ Biotechnology

1. Vaja, Mahesh Bhimabhai. **Whole genome sequencing of Sesame (*Sesamum indicum* L) Cv Guj til-10 using next generation sequencer.** (Dr. B A Golakiya), Department of Biotechnology, Junagadh Agricultural University, Gujarat.

##### ✓ Entomology

1. Ashwinder Kaur. **Estimation of losses and management of maize stem borer, *Chilo partellus* (Swinhoe) in Kharif maize.** Department of Entomology, Punjab Agricultural University, Ludhiana.
2. Jadhav, Yogeshdatta Tukaram. **Seasonal incidence and bio-efficacy of newer pesticides against major sucking pests complex on summer okra.** (Dr. U M Waghmare), Department of Agricultural Entomology, Vasant Rao Naik Marathwada Agricultural University, Parbhani.
3. Subash Singh **Loss assessment and management of major stored grain insect pests of wheat (*Triticum aestivum* Linn) in Punjab.** Department of Entomology, Punjab Agricultural University, Ludhiana.

##### ✓ Food Science & Technology

1. Bhalala, Maheshkumar Kantilal. **Effects of gamma radiation on quality and shelf life of dry salted ribbon fish (*Lepturacanthus savala*) and rainbow sardine (*Dussumeria actuta*).** (Dr. S M Zofair), Department of Fish Processing Technology, Junagadh Agricultural University, Gujarat.
2. Bhikaji, Mulye Vijay. **Development and storage characteristics of croaker (*Johnius dussumieri*) base snack food using extrusion.** (Dr. S M Zofair), Department of Fish Processing Technology, Junagadh Agricultural University, Gujarat.

##### ✓ Genetics & Plant Breeding

1. Nagesh, Kancharla. **Identification and mapping of blast resistance genes in rice (*Oryza sativa* L).** (Dr. Padmabalaravi), Department of Genetics, Osmania University, Hyderabad.
2. Parjeet Singh. **Molecular mapping of nuclear male**

**sterility gene ms10 in Chilli pepper (*Capsicum annum* L).** Department of Vegetable Crops, Punjab Agricultural University, Ludhiana.

##### ✓ Horticulture

1. Gore, Anita Kishanrao. **Studies on plant geometry and levels of potassium on growth, yield and quality of Banana cv ardhapuri (*Musa acuminata* L).** (Dr. T B Tambe), Department of Horticulture, Vasant Rao Naik Marathwada Agricultural University, Parbhani.

##### ✓ Plant Pathology

1. Thaware, Dadasaheb Shivaji. **Studies on wilt of chickpea caused by *fusarium oxysporium* f sp *ciceri* (padwick) snyder and hasnen.** (Dr. O D Kohire), Department of Plant Pathology, Vasant Rao Naik Marathwada Agricultural University, Parbhani.

#### BIOLOGICAL SCIENCES

##### ✓ Biochemistry

1. Bhar, Kaushik. **Biochemistry and cell biology of nodulin proteins that interact during plant microbe symbiosis in leguminous plants.** (Dr. Anirban Siddhanta), Department of Biochemistry, University of Calcutta, Kolkata.
2. Sarkar, Suparna. **Studies of protein folding and ligand binding dynamics *in vitro* and in cultured cells using fluorescence correlation spectroscopy and allied biophysical techniques.** (Dr. Krishnananda Chattopadhyay), Indian Institute of Chemical Biology, University of Calcutta, Kolkata.

##### ✓ Bioinformatics

1. Bhattacharjee, Amrita. **Analysis of Uridine Diphosphoglucuronosyltransferase (UDPGT) proteins: A bioinformatics approach.** (Prof. Sudip Kundu), Department of Biophysics, Molecular Biology & Bioinformatics, University of Calcutta, Kolkata.
2. Mondal, Manas. **Structure, dynamics and interaction of nucleic acids: Theoretical computational analysis.** (Prof. Dhananjay Bhattacharyya), Saha Institute of Nuclear Physics, University of Calcutta, Kolkata.

##### ✓ Biology

1. Gopinath, Vineetha. **Ecology of mesozooplankton community of the Cochin estuary with special emphasis on planktonic copepods.** (Dr. N V Madhu), National Institute of Oceanography, Cochin University of Science & Technology, Kochi.
2. Sathyan, Naveen. **Molecular and functional characterization of histone derived antimicrobial peptides from marine organisms.** (Dr. Rosamma Philip), Department of Marine Biology, Microbiology and Biochemistry, Cochin University of Science & Technology, Kochi.
3. Shaju, S S. **Studies on bio-geochemistry, bio-optical properties and satellite validation of Coastal waters of**



South Eastern Arabian Sea. (Dr. B Meena Kumari), Faculty of Marine Science, Cochin University of Science & Technology, Kochi.

4. Sindhu, M C. Evaluation of stress reducing capacity of selected anaesthetics for the live transportation of green chromide *Eetroplus suratensis*. (Dr. A Ramachandran), School of Industrial Fisheries, Cochin University of Science & Technology, Kochi.

#### ✓ Botany

1. Dipannita, Parial. Synthesis of gold nanoparticles using cyanobacteria and eukaryotic algae and their characterization. (Prof. Ruma Pal), Department of Botany, University of Calcutta, Kolkata.

2. Rathnapur, Prabhakar,. Palynodiversity in ethnomedicinal plants of Adilabad District, Telangana. (Prof. H Ramakrishna), Department of Botany, Osmania University, Hyderabad.

#### Genetics

1. Chakraborty, Sandip. Studies on eukaryotic protein evolution: Insights from the Protein-Protein Interaction Network and protein complex assembly. (Prof. Tapash Chandra Ghosh), Bose Institute, Kolkata, University of Calcutta, Kolkata.

#### ✓ Zoology

1. Dudimetla, Balaraju. Ecological studies on udayasamudram reservoir Nalgonda District, Telangana. (Dr. G Sunitha), Department of Zoology, Osmania University, Hyderabad.

2. Hari, Prashanth P. Development of combination formulations of microbial insecticides for effective management of key lepidopteran insect pests. (Dr. P S Vimala), Department of Zoology, Osmania University, Hyderabad.

3. Mitra, Anisa. The profile of selected digestive enzymes and gut histomorphology through the developmental stages of featherback, *Chitala chitala* (Hamilton, 1822), with a probiotic approach for nutritional supplementation. (Prof. Sumit Homechaudhuri and Dr. Pratap Kumar Mukhopadhyay), Department of Zoology, University of Calcutta, Kolkata.

### EARTH SYSTEM SCIENCES

#### ✓ Environmental Science

1. Loria, Nancy. Impact of agricultural practices on natural resources and vulnerability of farming community to environmental changes in low-hills of Himachal Pradesh. (Dr. SK Bhardwaj), Department of Environmental Science, Dr Y S Parmar University of Horticulture and Forestry, Nauni, District Solan.

2. Mitra, Pallavi. On the reduction of hexavalent chromium present in wastewater. (Dr. Sampa Chakrabarti), Department of Chemical Engineering, University of Calcutta, Kolkata.

5. Sivaprasad, P. Characteristics of aerosols over the Indian region and their variability associated with atmospheric conditions. (Dr. C A Babu), Department of Atmospheric Science, Cochin University of Science & Technology, Kochi.

3. Susheela, S. Geochemistry and speciation of heavy metals in sediments of Cauvery River Basin around KRS Dam, Karnataka, India. (Dr. S Srikantaswamy), Department of Earth Science, University of Mysore, Mysore.

#### ✓ Geology

1. Sandeep Kumar. Palyno-stratigraphy and petrology of panandhro lignites Kutch District, Gujarat, India. (Dr. N N Dogra and Dr. Alpana Singh), Department of Geology, Kurukshetra University, Kurukshetra.

#### ✓ Geophysics

1. Dubba, Vijay Kumar. Electrical, VLF (EM) and magnetic studies for groundwater exploration in Osmania University Campus, Hyderabad, Telangana State, India. (Dr. G Ramadas), Department of Geophysics, Osmania University, Hyderabad.

### ENGINEERING SCIENCES

#### Architecture

1. Nagarajan, R V. The role of landscape architecture in and around hospital premises in Chennai as an aid to medical treatment. Department of Architecture, Hindustan University, Chennai, Tamilnadu.

#### Ceramic Engineering

1. Pahari, Gobinda. Studies on the sintering behaviour of alumina-cordierite precursor powder synthesized through semicolloidal route. (Prof. Tapan Kumar Parya), Department of Chemical Technology, University of Calcutta, Kolkata.

2. Tarafder, Anal. Fabrication and optical properties of some rare earth doped glass-ceramic and metal-glass nanoproperties. (Prof. Basudeb Karmakar and Prof. Sunanda Mukhopadhyaya), Central Glass and Ceramic Research Institute, University of Calcutta, Kolkata.

#### Chemical Engineering

1. Botla, Ganesh. Dynamic modeling and control studies for a reactive batch distillation process. (Dr. K Yamuna Rani and Prof. K S K Rao Patnaik), Department of Chemical Engineering, Osmania University, Hyderabad.

2. Jacob, Jaya Mary. Biosynthesis of lead selenide (PbSe) semiconductor quantum particles in marine fungus. (Dr. Raj Mohan B), Department of Chemical Engineering, National Institute of Technology Karnataka, Surathkal, Mangalore.

#### Civil Engineering

1. Divahar, R. Behaviour of cold-formed steel beam with concrete encased trapezoidally corrugated web. Department of Civil Engineering, Hindustan University, Chennai, Tamilnadu.

2. Sangeetha, S P. Flexural behaviour of reinforced concrete beams with ground granulated blast furnace slag. Department of Civil Engineering, Hindustan University, Chennai, Tamilnadu.

3. Sarang, Goutham. Experimental investigation of stone matrix asphalt mixtures. (Prof. A U Ravi Shankar), Department of Civil Engineering, National Institute of Technology Karnataka, Surathkal, Mangalore.

#### Computer Science & Engineering

1. Dahiya, Naveen. A comprehensive approach towards building of an efficient information delivery system. (Dr. Manjeet Singh and Dr. Vishal Bhatnagar), Department of Computer Engineering, YMCA University of Science & Technology, Faridabad.

2. Konda, Srinivasa Reddy. Face recognition based on textural properties. (Prof. V Venkata Krishna and Prof. B Eswar Reddy), Department of Computer Science & Engineering,