

# THESES OF THE MONTH

## SCIENCE & TECHNOLOGY



### A List of doctoral theses accepted by Indian Universities (Notifications received in AIU during the month of Dec 2018-Jan 2019)

#### AGRICULTURAL & VETERINARY SCIENCES

##### Genetics & Plant Breeding

1. Choudhari, Ambalika Keshav. **Heterosis, combining ability and stability analysis studies in sunflower (*Helianthus annuus* L).** (Dr. M K Ghodke), Department of Genetics and Plant Breeding, Vasant Rao Naik Marathwada Agricultural University, Parbhani.

##### Veterinary Science

1. Nehru, Dawoud Aamir. **Association of pathogenic bacteria with subclinical endometritis in post-partum buffalo and response to cephalixin benzathine treatment.** Department of Veterinary Gynaecology and Obstetrics, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana.

#### BIOLOGICAL SCIENCES

##### Biophysics

1. Chakraborty, Sohini. **Regulatory networks modulating cellular reprogramming in stem cells.** (Dr. Zhumur Ghosh), Bose Institute, University of Calcutta, Kolkata.

##### Botany

1. Ghosh, Srijita. **Influence of arsenic and its possible interaction with selenium on growth and metabolism in wheat (*Triticum aestivum* L).** (Prof. Asok Kumar Biswas), Department of Botany, University of Calcutta, Kolkata.

2. Rakhi Kumari. **Impact of some plant extracts against seed borne pathogens of aspergillus SP.** (Dr. Jai Krishna Kumar), Department of Botany, Bhupendra Narayan Mandal University, Madhepura.

3. Rao, A Srinivasa. **Studies on biological activities, in vitro propagation and genetic diversity of *Crotalaria Hebecarpa* (DC) Rudd, a less explored medicinal plant.** (Dr. Kokkanti Mallikarjuna), Department of Botany, Acharya Nagarjuna University, Nagarjuna Nagar.

##### Life Science

1. Verma, Usha. **Production and partial purification of  $\alpha$ -amylase from bacillus cereus by using wheat bran as a substrate.** (Dr. D S Rawat), Department of Life Sciences, Uttarakhand Technical University, Dehradun.

##### Marine Science

1. Akhilesh, Vijay. **Dynamics of carbon fixation and sequestration in a Tropical Paddy Wetland, Kerala.** (Dr. S Bijoy Nandan), Department of Marine Biology, Microbiology and Biochemistry, Cochin University of Science & Technology, Kochi.

2. Anju, K A. **Evaluation of biogenic amine as a quality index in Indian squid (*Loligo duvauceli*).** (Dr. T V Sankar), ICAR-Central Institute of Fisheries Technology, Cochin University of Science & Technology, Kochi.

3. Jacob, Jini. **Deep sea meiobenthic community of the continental slope from 200-1000m depths of Eastern Arabian Sea with a focus on free living nematodes.** (Dr. R Damodaran), Department of Marine Biology, Microbiology and Biochemistry, Cochin University of Science & Technology, Kochi.

4. Libin Baby. **Species profiling and biochemical characterizations of selected seagrass species of Gulf of Mannar and Palk Bay, India.** (Dr. T V Sankar and Dr. N Chandramohanakumar), Department of Chemical Oceanography, Cochin University of Science & Technology, Kochi.

5. Radhika, R. **Ecology, morphotaxonomy and molecular characterization of cyclopoid copepods from Lakshadweep Island South Eastern Arabian Sea.** (Prof. S Bijoy Nandan), Department of Marine Biology, Microbiology and Biochemistry, Cochin University of Science & Technology, Kochi.

6. Sangani, Kinjalben Kalubhai. **Evaluation of bacterial diversity found in the benthic soil of Tapi Surat, Gujarat.** (Dr. Kapila Manoj), Department of Aquatic Biology, Veer Narmad South Gujarat University, Surat.

7. Sayana, K A. **Profiling growth and fuel consumption of mechanized trawlers of Kerala and investigations on efficiency of low drag trawl.** (Dr. M P Remesan), Central Institute of Fisheries Technology, Cochin University of Science & Technology, Kochi.

8. Soni, Nandita J P. **Growth performance of Indian major CARPS (*Catla Catla* Labeo Rohita and *Cirrhinus Mrigala*) in Vallabhsagar Reservoir, Ukai (Gujarat).** (Dr. N C Ujjania), Department of Aquatic Biology, Veer Narmad South Gujarat University, Surat.

9. Sudheesh, V. **Influence of upwelling on seasonal hypoxia/anoxia and greenhouse gases along the Southwestern continental shelf of India.** (Dr. Jacob Chacko, Dr. G V M Gupta and Dr. S Muraleedharan Nair), Department of Chemical Oceanography, Cochin University of Science & Technology, Kochi.

10. Varghese, Treesa. **Role of autolytic enzymes in muscle softening and resultant physico-chemical changes during post-mortem storage of selected freshwater fishes.** (Dr Saleena Mathew), School of Industrial Fisheries, Cochin University of Science & Technology, Kochi.

##### Zoology

1. Chatterjee, Ritam. **Bone marrow aplasia and stem stromal microenvironmental scenario regarding pathophysiology and kinase- phosphatase balance.** (Dr. Sujata Law), Calcutta School of Tropical Medicine, University of Calcutta, Kolkata.

#### EARTH SYSTEM SCIENCES

##### Environmental Science

1. Deepa, P. **Hydrochemistry and groundwater quality**