
THESES OF THE MONTH

SCIENCE & TECHNOLOGY

A list of doctoral theses accepted by Indian Universities
(Notifications received in AIU during Dec. 2014-Jan., 2015)

✓ AGRICULTURAL & VETERINARY SCIENCES

Microbiology

1. Chakraborty, Amrita. **Studies on genomic and functional diversity of soil bacteria in agricultural ecosystems.** (Dr. Sagarmony Ghosh and Dr. Kalyan Chakrabarti), Department of Microbiology, University of Calcutta, Kolkata.

Seed Science

1. Biswas, Partha Sarathi. **Seed treatment for the retention of vigour, viability and yield potential of sesamum (*Sesamum indicum* L).** (Dr. A K Mandal and Dr. Bijoy Kumar De), Institute of Agricultural Science, University of Calcutta, Kolkata.

BIOLOGICAL SCIENCES

Biochemistry

1. Chatterjee, Epshita. **Molecular effects of the fatty acid uptake and regulatory gene products on survival, virulence and motility of the enteric pathogen *vibrio cholerae*.** (Dr. Rukhsana Chowdhury), Indian Institute of Chemical Biology, University of Calcutta, Kolkata.

2. Manjunath, K C. **Development and characterization of transgenic sunflower plants over expressing stress specific transcription factors.** (Dr. N Ramachandra Swamy and Dr. M. Udaya Kumar), Department of Biochemistry, Bangalore University, Bangalore.

Biology

1. Talapatra, Shonima. **Studies on biochemical changes and expression of SERK gene during somatic embryogenesis in *momordica charantia* linn.** (Prof. Sarmistha Raychaudhuri), Department of Biophysics, Molecular Biology and Bioinformatics, University of Calcutta, Kolkata.

Botany

1. Bhattu, Bhargavi. **Influence of water stress on growth, metabolism and andrographolide levels in *andrographis paniculata*.** (Prof. K Janardhan Reddy), Department of Botany, Osmania University, Hyderabad.

2. Kalpana, K. **Micropropagation antioxidant activity and molecular characterization of an endangered species, *decalepis hamiltonii* wight and Arn.** (Prof. K Janardhan Reddy), Department of Botany, Osmania University, Hyderabad.

3. Syed Abrar. **Macrofungal diversity in Shimoga District Karnataka.** (Dr. M Krishnappa), Department of Botany, Kuvempu University, Shankaraghatta.

Marine Biology

1. Deshpande, Sanjeev Pralhadrao. **Certain ecological aspects of potential fishing Zones off Karwar Coast.** (Dr. U G Bhat), Department of Marine Biology, Karnatak University, Dharwad.

2. Naikpatil, Sateesh Virupakshagouda. **Studies on actinomycetes of Karwar Coast.** (Dr. J L Rathod), Department of Studies in Marine Biology, Karnatak University, Dharwad.

Zoology

1. Jagadeeshwara Chari, T. **Infestation of ipomoea in minor reservoirs and its strategies to enhance *Catla catla* fish production.** (Dr. A V Rajashekhar), Department of Zoology, Osmania University, Hyderabad.

2. Jahan, Tasneem. **Study of the moult cycle, structure and nature of hormone in the Y- organ of fresh water crab, *barytelphusa guerini*.** (Prof. Sugita Mathur), Department of Zoology, Osmania University, Hyderabad.

3. Prajapati, Heena Amritbhai. **Toxicological consequences of diethylphthalate on vital organs of rodent and its amelioration.** (Dr. R J Verma), Department of Zoology, Gujarat University, Ahmedabad.

4. Raparia, Shashi. **Use of potential probiotic bacteria *bacillus coagulans* and duckweed in feeds for growth promotion and immunomodulatory effects in *Catla catla* (Hamilton).** (Dr. Anita Bhatnagar), Department of Zoology, Kurukshetra University, Kurukshetra.

5. Vaishnav, Khanjan Hareshkumar. **In vitro studies on the anticarcinogenic effect of some selected plant extracts.** (Dr. Linz-Buoy George), Department of Zoology, Gujarat University, Ahmedabad.

EARTH SYSTEM SCIENCES

Environmental Science

1. Bhatia, Misha. **Studies on rhizospheric bacteria of phragmites in constructed wetlands.** (Dr. Dinesh Goyal), Department of Biotechnology & Environmental Science, Thapar University, Patiala.

2. Bhatia, Poonam. **Studies on biofortification of selenium in edible mushrooms.** (Dr. N Tejoprakash and Dr. Ranjana Prakash), Department of Biotechnology & Environmental Science, Thapar University, Patiala.

3. Ram, Shidharth Sankar. **Characterization of air pollutants and their effect on physico-chemical and morphological properties of some selected urban avenue trees of Kolkata.** (Dr. Punarbasu Chaudhuri and Dr. Anindita Chakraborty), Department of Environmental Science, University of Calcutta, Kolkata.

Geology

1. Hakari, Udayshankar Devendrakumar. **Geological and geotechnical investigations and characterisation of black cotton soils of Hubballi: Dharwad Municipal Corporation Area, Karnataka, with civil engineering perspective: A vision 2025.** (Dr. B V Nadagouda), Department of Studies in Geology, Karnatak University, Dharwad.