



# THESES OF THE MONTH

## SCIENCE & TECHNOLOGY

*Anu S. Kant*  
A List of doctoral theses accepted by Indian Universities  
(Notifications received in AIU during the month of November-December, 2016)

### AGRICULTURAL & VETERINARY SCIENCES

#### Microbiology

1. Sharma, Deepansh. **Production of biosurfactant and bacteriocin by probiotic lactic acid bacteria using dairy industry whey as conventional nutrient source.** (Dr. Baljeet Singh Saharan), Department of Microbiology, Kurukshetra University, Kurukshetra.
2. Sharma, Nisha. **Isolation and characterization of bacteria from spinach (*spinacia oleracea*) phyllosphere.** (Dr. Baljeet Singh Saharan), Department of Microbiology, Kurukshetra University, Kurukshetra.

### BIOLOGICAL SCIENCES

#### Biochemistry

1. Miglani, Kanika. **Modulation of DNA damage and oxidative stress by genetic variants of antioxidant genes in charcoal and tandoor workers.** (Dr. Anita Yadav and Dr. Ranjan Gupta), Department of Biochemistry, Kurukshetra University, Kurukshetra.

#### Botany

1. Dutta, Shanti Chaya. **Effect of arbuscular mycorrhizal fungi on growth and production turmeric in Assam.** (Prof. B Neog), Department of Life Sciences, Dibrugarh University, Dibrugarh.
2. Kokkireni, Geetha. **Interaction of trichoderma species inhabiting the rhizosphere of green gram with AM fungi and PGPR.** (Prof. B Bhadraiah), Department of Botany, Osmania University, Hyderabad.
3. Mazumder, Soma Kishore. **Capacity of two local ferns to phytoremedy the effluent of petroleum refining industry at Baroda, with reference to heavy metals and fluoride.** Department of Botany, M S University of Baroda, Vadodara.
4. Patel, Divya Ashokbhai. **An integrated approach to evaluate allelopathic potential of some medicinal plants.** Department of Botany, M S University of Baroda, Vadodara.

#### Zoology

1. Gohel, Rahul Shivilalabhai. **Ecological assessment of Intertidal Zone of Saurashtra Coast with special reference to molluscan diversity.** Department of Zoology, M S University of Baroda, Vadodara.
2. Shailja. **Investigating the role of BMP signaling epimorphic regeneration.** Department of Zoology, M S University of Baroda, Vadodara.
3. Srivani, S. **Protective effect of solanum lycopersicum and allium sativum against cyclophosphamide induced genotoxicity in Swiss Albino mice.** (Prof. K Rudrama Devi), Department of Zoology, Osmania University, Hyderabad.

### EARTH SYSTEM SCIENCES

#### Geochemistry

1. Akkenepally, Sudhaker. **Quantitative and qualitative assessment of groundwater along granite-basalt contact around Narayankher, Medak District, Telangana State.** (Prof. Praveen Raj Saxena), Department of Applied Geochemistry, Osmania University, Hyderabad.

#### Geophysics

1. Bharti, Abhay Kumar. **Electrical resistivity tomography for mapping of coal mine voids over parts of Jharia and Raniganj Coal fields, India.** (Dr. S K Pal), Department of Applied Geophysics, Indian Institute of Technology, Jharkhand.

### ENGINEERING SCIENCES

#### Chemical Engineering

1. Nag, Debjani. **Studies on the effect of selected pre-carbonisation techniques and binders on coke quality.** (Prof. V K Saxena and Dr. Sanjay Chandra), Department of Chemical Engineering, Indian Institute of Technology, Jharkhand.

#### Civil Engineering

1. Arora, Vishal. **A study on Sandy soils and their ground improvement.** Department of Civil Engineering, NIMS University, Jaipur.

#### Computer Science & Engineering

1. Alagu, S. **Dynamic channel allocation and prioritized queueing scheme to handle handoff in wireless mobile network.** (Dr. T Meyyappan), Department of Computer Science, Alagappa University, Karaikudi.
2. Arati, D K. **A robust image representation and learning method using SVM for image retrieval.** Department of Computer Science & Engineering, NIMS University, Jaipur.
3. Bharti, Vishal. **Performance enhancement by splitting SPD used in IPSEC of IPv6.** Department of Computer Science & Engineering, NIMS University, Jaipur.
4. Chaudhury, Tanupriya. **Soft computing based genetic modeling and its applications in cancer research.** Department of Computer Science & Engineering, Jagannath University, Jaipur.
5. Gupta, Nipin. **Implementation of artificial immune system in wireless sensor network.** Department of Computer Science & Engineering, Jagannath University, Jaipur.
6. Gupta, Suneet Kumar. **Design of efficient routing algorithms for wireless sensor networks.** (Prof. P K Jana), Department of Computer Science & Engineering, Indian Institute of Technology, Jharkhand.