

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, 2017)

AGRICULTURAL & VETERINARY SCIENCES

✓ Agricultural Botany

1. Puttawar, Megha Rushi. **Comparative study of pigeonpea hybrids development from diverse cytoplasmic sources.** (Dr. H V Kalpande), Department of Agricultural Botany, Vasant Rao Naik Marathwada Agricultural University, Parbhani.

✓ Agroforestry

1. Navale, Manasi Rajendra. **Comparative analysis of important fodder tree species of North Western mid-Himalayan ecosystem for nutritive value, palatability and leaf biomass production.** (Dr. DR Bhardwaj), Department of Silviculture and Agroforestry, Dr Y S Parmar University of Horticulture and Forestry, Nauni, District Solan.

✓ Food Science & Technology

1. Agrawal, Rinku Sudarshan. **Studies on physico-chemical and nutritional characteristics of fenugreek (*Trigonella foenum graecum* L) seed and its exploration in food products.** (Dr. Syed H M), Department of Food Technology, Vasant Rao Naik Marathwada Agricultural University, Parbhani.

✓ Genetics & Plant Breeding

1. Kaushal, Lovelin. **Doubled haploidy for development of rice stacks (*O sativa* L) with submergence tolerance and wide compatibility.** (Dr. S M Balachandran), Department of Genetics, Osmania University, Hyderabad.

BIOLOGICAL SCIENCES

✓ Biochemistry

1. Ghosh, Shampa. **Biochemical and /or molecular mechanisms associated with vitamin B12 deficiency induced changes in body composition and behaviour of C57/BL/6 mice: A transgenerational study.** (Dr. M Raghunath), Department of Biochemistry, Osmania University, Hyderabad.

✓ Botany

1. Yenumula, Viswa Kanakam. **Flora of hitherto unknown vasishta-vainatya estuarine complex & its surroundings in East Godavari District of Andhra Pradesh India: An enumeration of all the vascular plants of Konaseema.** (Dr. K Ammani), Department of Botany, Acharya Nagarjuna University, Nagarjuna Nagar.

EARTH SYSTEM SCIENCES

✓ Geology

1. Barik, Arijit. **Stable isotope (C and O) and geochemical evaluation of the carbonate rocks of Sausar group, Nagpur District, Maharashtra: Implication to the early palaeoproterozoic environment.** (Dr. S Sarangi), Department of Applied Geology, Indian Institute of Technology, Dhanbad.

Geophysics

1. Singh, Amrita. **Modelling of discontinuous geophysical signal using wavelet transform.** (Dr. Saumen Maiti), Department of Applied Geophysics, Indian Institute of Technology, Dhanbad.

ENGINEERING SCIENCES

Chemical Engineering

1. Madan, Sapana S. **Controlled synthesis and application CaO_2 nanoparticles as an adsorbent for batch and continuous removal of α toluic acid from aqueous solution.** (Dr. K L Wasewar), Department of Chemical Engineering, Visvesvaraya National Institute of Technology, Nagpur.

2. Yeole, Kalpana Rajesh. **Study on reactive separations.** (Dr. Diwakar Z Shende), Department of Chemical Engineering, Visvesvaraya National Institute of Technology, Nagpur.

Civil Engineering

1. Purohit, Pradeep. **Cable layout design of prestressed concrete beams under creep conditions.** (Prof. Saleem Akhtar and Prof. K K Pathak), Department of Civil Engineering, Rajiv Gandhi Proudlyogiki Vishwavidyalaya, Bhopal.

Computer Science & Engineering

1. Agrawal, Smita. **Stock market forecasting using artificial neural network and capital asset pricing model.** Department of Computer Science, Suresh Gyan Vihar University, Jaipur.

2. Ahmad, Sayyed Shabina Begaum. **Research and analysis of Pana architecture and its applicability on emerging network environment for secure access.** Department of Computer Science, Suresh Gyan Vihar University, Jaipur.

3. Batra, Payal Khurana. **Development of energy efficient clustering and routing algorithms for wireless sensor networks.** Department of Computer Science & Engineering, Jaypee Institute of Information Technology, Uttar Pradesh.

4. Mohapatra, Pushpanjali. **Medical data classification using machine and evolutionary computing techniques.** (Dr. P K Dash), Department of Computer Science & Engineering, Siksha O Anusandhan University, Bhubaneswar.

5. Mohapatra, Sudhir Kumar. **Regression testing of object oriented programs.** (Dr. Srinivas Prasad), Department of Computer Science & Engineering, Siksha O Anusandhan University, Bhubaneswar.

6. Naik, Kshiramani. **Design of some transform domain based image cryptosystem, steganography and watermarking schemes.** (Dr. Arup Kumar Pal), Department of Computer Science & Engineering, Indian Institute of Technology, Dhanbad.

7. Nihalani, Neelu. **Study of design issues intelligent databases.** (Dr. Mahesh Motwani), Department of Computer Application, Rajiv Gandhi Proudlyogiki Vishwavidyalaya, Bhopal.