

THESES OF THE MONTH

SCIENCE & TECHNOLOGY



A List of doctoral theses accepted by Indian Universities (Notifications received in AIU during the month of July-Aug, 2018)

✓ AGRICULTURAL & VETERINARY SCIENCES

✓ Agronomy

1. Garud, Hanuman Sopanrao. **Performance of different land configuration under pigeonpea based intercropping systems.** (Dr. B V Asewar), Department of Agronomy, Vasant Rao Naik Marathwada Agricultural University, Parbhani.

✓ Biotechnology

1. Anand Babu, P. **Developing environmental-friendly packaging materials with essential oils to control the postharvest diseases in mango.** (Dr. M Sasidharan), Department of Biotechnology, SRM University, Kattankulathur, Chennai.

BIOLOGICAL SCIENCES

✓ Bioinformatics

1. Omkar Singh. **Development of target specific and systems biology based scoring methods for the quantification of protein-ligand interactions.** (Dr. Polamarasetty Aparoy), School of Life Sciences, Central University of Himachal Pradesh, Kangra.

✓ Botany

1. Jena, Gouri Sankar Juga Prakash. **Studies on the medicobotany of crop weeds in some selected coastal districts of Odisha.** (Dr. Kunja Bihari Satapathy), Department of Botany, Utkal University of Culture, Bhubaneswar.

2. Usha Kiran. **Assessment of genetic diversity among selected banana (*Musa spp.*) landraces of Odisha and their micropropagation.** (Prof. P K Chanda and Dr. Lambodar Behera), Department of Botany, Utkal University of Culture, Bhubaneswar.

✓ Life Science

1. Chorsiya, Varsha Vinodkumar. **Human postural control: Analysis of sensory motor integration.** (Dr. P K Nag), Department of Life Science, Gujarat University, Ahmedabad.

2. Madhwani, Kishore Purshottam. **Workplace ergonomics design for safer working in corporate officers.** (Dr. P K Nag), Department of Life Science, Gujarat University, Ahmedabad.

3. Pasayat, Mamata. **Assessment of ecosystem, restoration and mine spoil genesis in chronosequence iron mine overburden spoil.** (Dr. A K Patel), Department of Life Science, Sambalpur University, Sambalpur.

Zoology

1. Parmar, Felisa Peterbhai. **Evaluation of the efficacy of some selected plant extracts on lymphoma cell lines.** (Dr. Linz Buoy George), Department of Zoology, Gujarat University, Ahmedabad.

EARTH SYSTEM SCIENCES

Environmental Science

1. Behura, Sudhamayee. **Ecological study of degraded habitats in chromite mining region of Sukinda, Orissa.**

(Dr. V P Upadhyay and Dr. Manoranjan Kar), Department of Environmental Science, Utkal University of Culture, Bhubaneswar.

2. Borah, Pallabi. **Study on heavy metals contamination and their phyto-remediation in soils around a paper mill and municipal landfill in Assam.** (Dr. Sudip Mitra), Department of Environmental Science, Tezpur University, Tezpur.

ENGINEERING SCIENCES

Aerospace Engineering

1. Ganesan, C. **Fatigue life assessment model of FRP composites.** Department of Aeronautical Engineering, Hindustan Institute of Technology and Science, Chennai.

2. Sankar, A. **Dynamic analysis of CNT reinforced composite sandwich plates and shells using finite element approach.** Department of Aeronautical Engineering, Hindustan Institute of Technology and Science, Chennai.

Biomedical Engineering

1. Rajalakshmi, T. **Perceptual modeling of retinal layers for vision impairment and medical image analysis.** (Dr. Shanthi Prince), Department of Biomedical Engineering, SRM University, Kattankulathur, Chennai.

Chemical Engineering

1. Padmavathy, K S. **Removal of hexavalent chromium from wastewater by adsorption using nanomaterials.** (Dr. G Dipak Kumar Sahoo), Department of Chemical Engineering, Cochin University of Science & Technology, Kochi.

Civil Engineering

1. Jayakkodi, R. **Assessment of groundwater quality and evaluation of untreated and treated sago effluent in Rasipuram Taluk of Namakkal District, Tamilnadu State, India.** (Dr. R Annadurai), Department of Civil Engineering, SRM University, Kattankulathur, Chennai.

2. Nanda, Sachikanta. **Influence of urbanization on surface and groundwater in Kattankolathur, Tamilnadu, India: A geospatial perspective.** (Dr. R. Annadurai), Department of Civil Engineering, SRM University, Kattankulathur, Chennai.

3. Parvati, T S. **Behaviour of double skin tubular beam-columns subjected to reversed lateral loading.** Department of Civil Engineering, Hindustan Institute of Technology and Science, Chennai.

4. Thirumurugan, V. **Studies on the use of pneumatic interface in reinforced concrete infilled frames.** (Dr. K S Sathyanarayanan), Department of Civil Engineering, SRM University, Kattankulathur, Chennai.

Computer Science & Engineering

1. Angel, T S Shiny. **Learning object points method: A sizing approach for e-learning system.** (Dr. Paul Rodrigues), Department of Computer Science & Engineering, SRM University, Kattankulathur, Chennai.

2. Asija, Ruchika. **Development of a data representation scheme to protect confidentiality of data based upon its**