

# THESES OF THE MONTH

## SCIENCE & TECHNOLOGY



*Subodh*

### A List of doctoral theses accepted by Indian Universities (Notifications received in AIU during the month of May-June, 2019)

#### ✓ AGRICULTURAL & VETERINARY SCIENCES

##### ✓ Agronomy

1. Vajinder Pal. **Agronomic biofortification of chickpea (*Cicer arietinum* L) with zinc and iron.** Department of Agronomy, Punjab Agricultural University, Ludhiana.

##### ✓ Horticulture

1. Ramandeep Kaur. **Morphological, anatomical and biochemical evaluation of tree species for air pollution tolerance and landscape use.** Department of Horticulture, Punjab Agricultural University, Ludhiana.

#### BIOLOGICAL SCIENCES

##### ✓ Biotechnology

1. Dutt, Vikas. **Regulatory effects of S-Allyl cysteine on skeletal muscle atrophy.** (Dr. Anita Grewal and Dr. Ashwani Mittal), Department of Biotechnology, Kurukshetra University, Kurukshetra.

2. Mathew, Libin. **Production and industrial applications of xylanase and cellulase enzymes produced by a microbial isolate from termite gut microbiome.** (Dr. Rishi Pal Mandhan), Department of Biotechnology, Kurukshetra University, Kurukshetra.

##### ✓ Zoology

1. Nayak, Sarbeswar. **Haematological and cytomorphometrical analyses of some species of lizards.** (Prof. Prafulla Kumar Mohanty), Department of Zoology, Utkal University of Culture, Bhubaneswar.

#### EARTH SYSTEM SCIENCES

##### ✓ Environmental Science

1. More, Anand Govind. **Investigating feasibility of bio-electrochemical reactor for removal of hexavalent chromium from electroplating effluents.** (Prof. S K Gupta), Department of Environmental Science & Engineering, Indian Institute of Technology, Dhanbad.

##### ✓ Geology

1. Srivastava, Hema. **Depositional environment, biostratigraphy and hydrocarbon generation potentiality of mesozoic and cenozoic sediments of the Kachchh Basin: Foraminiferal, nannoplankton and geochemical studies.** (Dr. Ajoy Kumar Bhaumik and Prof. S Mohanty), Department of Applied Geology, Indian Institute of Technology, Dhanbad.

##### ✓ Geophysics

1. Pandey, Auchtitya Kumar. **Assessment of seismic hazard for the Northeast India.** (Prof. P N Singha Roy), Department of Applied Geophysics, Indian Institute of Technology, Dhanbad.

2. Satya Narayan. **New insights into the structural and tectonic settings of Bay of Bengal offshore region using combined global gravity model data.** (Dr. Sanjit Kumar Pal), Department of Applied Geophysics, Indian Institute of Technology, Dhanbad.

#### ENGINEERING SCIENCES

##### Chemical Engineering

1. Khudsange, Chandrakant Ramkrushna. **Intensifying approaches for esterification of carboxylic acids: Catalysts synthesis, kinetics and statistical modeling study.** (Dr. K L Wasewar), Department of Chemical Engineering, Visvesvaraya National Institute of Technology, Nagpur.

##### Civil Engineering

1. Ingale, Ritesh Shankarrao. **Advanced geotechnical applications of bender-extender element and interpretation.** (Dr. Anjan Raghunath Patel and Dr. Anirban Mandal), Department of Civil Engineering, Visvesvaraya National Institute of Technology, Nagpur.

##### Computer Science & Engineering

1. D'Souza, Sandra Juthika Luciana. **Study and investigation of Electro-Oculogram (EOG) signals for human computer interface development.** (Dr. N. Sriiram), Department of Computer Science & Engineering, Sri Chandrasekharendra Saraswathi Viswamahavidyalaya, Kanchipuram.

2. Karthikeyan, R.. **Performance Analysis of BER and Q-factor in OFDM – RoF system using QAM based modulation.** (Dr. S Prakasham), Department of Computer Science & Applications, Sri Chandrasekharendra Saraswathi Viswamahavidyalaya, Kanchipuram.

3. Krishan Kumar. **Performance enhancement of events detection and summarization models in video over cloud.** (Dr. Deepti D Shrimankar), Department of Computer Science & Engineering, Visvesvaraya National Institute of Technology, Nagpur.

4. Lakshmi, J V N. **A Framework model on big data analytics using machine learning techniques for prediction on datasets.** (Dr. Ananthi Sheshasaayee), Department of Computer Science & Application, Sri Chandrasekharendra Saraswathi Viswamahavidyalaya, Kanchipuram.

5. Makhijani, Richa Kishore. **Computational evaluation of gene expression and protein-protein-interaction data to characterize significant disease markers in breast, lung and prostate cancer.** (Dr. Shital A Raut), Department of Computer Science & Engineering, Visvesvaraya National Institute of Technology, Nagpur.

6. Manimegalai, S. **Cyber forensic detection for multi-tenant web hosting in cloud environment.** (Dr. Santhosh Baboo), Department of Computer Science & Applications, Sri Chandrasekharendra Saraswathi Viswamahavidyalaya, Kanchipuram.

7. Mohapatra, Usha Manasi. **Development and applications of distributed learning based machine learning algorithms.** (Dr. Babita Majhi and Dr. Alok Kumar Jagadev), Department of Computer Science & Engineering, Siksha O Anusandhan University, Bhubaneswar.

8. Poorvadevi, R. **Secure public cloud user authentication model using fuzzy logic approach.** (Dr. S Rajalakshmi), Department of Computer Science & Engineering, Sri Chandrasekharendra Saraswathi Viswamahavidyalaya, Kanchipuram.