

# THESES OF THE MONTH

## SCIENCE & TECHNOLOGY

### A List of doctoral theses accepted by Indian Universities

(Notifications received in AIU during the month of November-December, 2020)

#### AGRICULTURAL & VETERINARY SCIENCES

##### Plant Pathology

1. Mallannavara, Annudeepa B. **Studies on virulence and host resistance in oat *Blumeria graminis* f. sp. *avenae* pathosystem.** (Dr. D K Banyal), Department of Plant Pathology, CSK Himachal Pradesh Krishi Vishwavidyalaya, Palampur.

#### BIOLOGICAL SCIENCES

##### Bioinformatics

1. Seethalakshmi, S. **Potential biocontrol targets identification & inhibitors against cotton bug *Oxyarenus laetus* (Hemiptera: Lygaeidae) and development of NGS based microrna prediction and validation pipeline.** (Dr. S.K.M. Habeed), Department of Bioinformatics, SRM University, Kattankulathur, Chennai.

##### Biotechnology

1. Anbazahan, S. **Design and characterization of short peptides derived from spirulina antioxidant proteins through transcriptome database and its therapeutic roles in oxidative stress associated diseases.** (Dr. A. Jesu Arockia Raj), Department of Biotechnology, SRM University, Kattankulathur, Chennai.

2. Balagangadharan, K. **Polycaprolactone fibers containing sinapic acid-loaded chitosan nanoparticles for bone tissue engineering.** (Dr. N. Selvamurugan), Department of Biotechnology, SRM University, Kattankulathur, Chennai.

3. Priscilla, Mercy Anitha D. **Microencapsulation of potential probiotic strain isolated from the traditionally fermented finger millet and incorporation into millet chocolate.** (Dr. Periyar Selvam S), Department of Biotechnology, SRM University, Kattankulathur, Chennai.

4. Priya, Tanu. **Role of a herbal formulation in the prevention and management of metabolic syndrome.** (Dr. Dubey G P), Department of Biotechnology, SRM University, Kattankulathur, Chennai.

##### Botany

1. Donga, Savankumar Bavanjibhai. **Evaluation of therapeutic potential of some medicinal plants seeds.** (Dr. Sumitra Chanda), Department of Botany, Saurashtra University, Rajkot.

#### Life Sciences

1. Shaikh, Sadiya Bi. **Role of curcumin and micro RNA-200c in inflammatory cytokine mediated epithelial mesenchymal transition during lung injury and pulmonary fibrosis.** (Dr. Yashodhar P Bhandary), Faculty of Allied Health and Basic Sciences, Yenepoya (Deemed to be University), Mangaluru.

#### Zoology

1. Bhavsar, Shruti Jayprakash. **Genotoxicity study of some medicinal plants used for antiurolithiatic activity.** (Dr. Divya Chandel), Department of Zoology, Gujarat University, Ahmedabad.

2. Vyas, Nisarg Jayeshkumar. **Assessment of agents for their anti-cancer properties- *in silico* and *in vitro* approach.** (Dr. R J Verma), Department of Zoology, Gujarat University, Ahmedabad.

#### ENGINEERING SCIENCES

##### Chemical Engineering

1. Dutta, Supritam. **Development of forward osmosis system for effluent treatment.** (Dr. Kaushik Nath), Department of Chemical Engineering, Gujarat Technological University, Ahmedabad.

2. Joshi, Jigar Shashankbhai. **Evaluation of petroleum fractions and their blends with special reference to adulteration.** (Dr. S A Puranik), Department of Chemical Engineering, Gujarat Technological University, Ahmedabad.

3. Krithiga, S. **Struvite recovery from human urine and its application as fertilizer.** (Dr. M. P. Rajesh), Department of Chemical Engineering, SRM University, Kattankulathur, Chennai.

##### Civil Engineering

1. Khuman, Sanjenbam Nirmala. **Fate of pesticidal persistent organic pollutants in lower stretch of river Ganga and Sunderban wetland in India.** (Dr. Paromita Chakraborty), Department of Civil Engineering, SRM University, Kattankulathur, Chennai.

2. Nachair, Sindhu. **Feasibility studies on development of efficient structural systems through biomimics.** (Dr. K.S. Satyanarayanan and Dr. M. Lakshmipathy), Department of Civil Engineering, SRM University, Kattankulathur, Chennai.