

THESES OF THE MONTH

SCIENCE & TECHNOLOGY

A List of doctoral theses accepted by Indian Universities (Notifications received in AIU during the month of Sep.- Oct., 2017)

AGRICULTURAL & VETERINARY SCIENCES

✓ Biotechnology

1. Prabhjot Kaur. **Production of dissolving grade pulp from paper grade pulp by using enzymes.** (Dr. Jitender Sharma and Dr. Nishi Kant Bhardwaj), Department of Biotechnology, Kurukshetra University, Kurukshetra.

✓ Genetics & Plant Breeding

1. Wadikar, Padmakar Balasaheb. **Genetic architecture and environmental adaptation for seed cotton yield, its contributing traits and fibre components in cotton (*Gossypium hirsutum* L).** (Dr. B G Solanki), Department of Genetics and Plant Breeding, Navsari Agricultural University, Navsari.

✓ Microbiology

1. Sabu, Rohini. **Plant growth promoting and antiphytopathogenic properties of endophytic bacteria from zingiber officinale Rosc.** (Dr. Radhakrishnan E K), Department of Microbiology, Mahatma Gandhi University, Kottayam.

BIOLOGICAL SCIENCES

✓ Bio Sciences

1. Santhosh Kumar, K. **Biomass productivity and chemical characterization of bio-oils of common green algae of Kerala.** (Dr. J G Ray), School of Biosciences, Mahatma Gandhi University, Kottayam.

✓ Biochemistry

1. Chaudhari, Archana Somabhai. **Amelioration of fructose induced dietary disorder by probiotic *Escherichia coli* strain producing fructose metabolizing enzymes in rats.** Department of Biochemistry, M S University of Baroda, Vadodara.

✓ Biology

1. Shukla, Ashutosh. **Identification and functional characterization of membrane-active components in Hepatitis A Virus (HAV).** (Prof. Manidipa Banerjee), Kusuma School of Biological Sciences, Indian Institute of Technology Delhi, New Delhi.

✓ Biotechnology

1. Malviya, Bipinkumar Jamanbhai. **Isolation, screening and characterization of organophosphorus degrading bacteria.** (Dr. V J Jadeja), Department of Biotechnology, Saurashtra University, Rajkot.

✓ Botany

1. Mandeep Kaur. **Angiospermic species diversity in Ambala District of Haryana.** (Dr. B D Vashistha), Department of Botany, Kurukshetra University, Kurukshetra.

2. Ravinder Kaur. **Angiospermic species diversity in Karnal District, Haryana.** (Dr. B D Vashistha), Department of Botany, Kurukshetra University, Kurukshetra.

✓ Microbiology

1. Mahobiya, Deepika. **Isolation, purification and characterization of L-asparaginase from endophytic fungi of some medicinal herbs and shrubs.** (Dr. A K Gupta), Faculty of Life Science, Pt Ravishankar Shukla University, Raipur.

✓ Zoology

1. Pooja Devi. **Environmental impact of religious activities on prominent water bodies of Haryana.** (Dr. Anita Bhatnagar and Dr. M P George), Department of Zoology, Kurukshetra University, Kurukshetra.

EARTH SYSTEM SCIENCES

Atmospheric Science

1. Das, Sushant. **Dynamical impacts of aerosols on Indian summer monsoon circulation using regional climate model.** (Prof. Sagnik Dey and Prof. S K Dash), Centre for Atmospheric Science, Indian Institute of Technology Delhi, New Delhi.

Environmental Science

1. Jayachandran, K. **Clean Development Mechanism (CDM) project opportunities in fertiliser industry.** (Dr. G Madhu), Department of Environmental and Atmospheric Sciences, Mahatma Gandhi University, Kottayam.

Geology

1. Bhokarkar, Sonal Prabhakar. **Carrying capacity based study of Kim river watershed, South Gujarat: With special reference to its status on water and ecological foot-prints and suggested remediation.** Department of Geology, M S University of Baroda, Vadodara.

2. Ghosh, Kausikkiran. **A study on the banded iron-formation hosted iron ore mineralization in Gandhamardan Hill, Keonjhar District, Orissa, India.** (Prof. Harendranath Bhattacharya), Department of Geology, University of Calcutta, Kolkata.

ENGINEERING SCIENCES

Aerospace Engineering

1. Samal, Sangram Keshari. **Effect of active and passive techniques on wing tip vortex.** Department of Aeronautical Engineering, Hindustan University, Chennai.

Chemical Engineering

1. Das, Soma. **Studies on isolation and utilisation of biopolymers and micronutrients from certain lipid bearing materials for food applications.** (Dr. Mahua Ghosh and Prof. Dipak Kumar Bhattacharyya), Department of Chemical Technology, University of Calcutta, Kolkata.

2. Raunija, Thakur Sudesh Kumar. **Studies on carbon/carbon composite bipolar plate for pem fuel cell in aerospace application.** (Dr. Anil Verma and Dr. S C Sharma), Department of Chemical Engineering, Indian Institute of Technology Delhi, New Delhi.