

THESES OF THE MONTH

SCIENCE & TECHNOLOGY

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

AGRICULTURAL & VETERINARY SCIENCES

Food Science & Technology

1. Grewal, Pawanpreet Singh. **Design and evaluation of modified atmosphere packaging for chillies (*Capsicum annum*)**. Department of Processing & Food Engineering, Punjab Agricultural University, Ludhiana.

2. Khapre, Amol Purushottam. **Studies on development of value added products from finger millet (*Eleusine coracana*) and foxtail millet (*Setaria-italica*) for nutritional security**. (Dr. D M Shere), Department of Food Technology, Vasantao Naik Marathwada Agricultural University, Parbhani.

Genetics & Plant Breeding

1. Baraskar, Vikas Vasantao. **Genetic analysis in brinjal [*Solanum melongena* L.]**. (Dr. B D Jadhav), Department of Genetics and Plant Breeding, Navsari Agricultural University, Navsari.

2. Sood, Ankita. **Identification of genomic regions associated with seed size in lentil (*Lens culinaris Medik*)**. Department of Plant Breeding & Genetics, Punjab Agricultural University, Ludhiana.

Microbiology

1. Khemka, Ankita Satyendra. **Optimization and potential use algal biomass cultivated on dairy waste**. (Prof. Meenu Saraf), Department of Microbiology, Gujarat University, Ahmedabad.

Soil Science

1. Opinder Singh. **Enhancing yield and nitrogen use efficiency in maize-wheat system under conservation agriculture**. Department of Soil Science, Punjab Agricultural University, Ludhiana.

2. Pawitar Singh. **Saline and sodic irrigation effects on performance of wheat cultivars and soil health**. Department of Soil Science, Punjab Agricultural University, Ludhiana.

BIOLOGICAL SCIENCES

Biochemistry

1. Sithara, Hemand Aravind. **Biochemical studies on *Heracleum candolleianum* (wight et arn) gamble**. (Prof. M S Latha), Department of Biochemistry, Mahatma Gandhi University, Kottayam.

Bioinformatics

1. Chauhan, Rupal Ravindersingh. **In silico and molecular analysis of major cereal crops and development of database for major fruit crops diseases**. (Dr. A U Mankad), Department of Bioinformatics, Gujarat University, Ahmedabad.

Biotechnology

1. Devassy, Aneesa. **Phylogeny of Indian clariids and population genetic structure of *clariids dussumieri* using**

molecular markers. (Dr. Linu Mathew), Department of Biotechnology, Mahatma Gandhi University, Kottayam.

2. Shajitha, P P. **Molecular phylogenetic relationships among *impatiens* L (Balsaminaceae) using chloroplast and nuclear regions**. (Dr. Linu Mathew and Dr. Jomy Augustine), Department of Biotechnology, Mahatma Gandhi University, Kottayam.

Life Science

1. Baruah, Sukanya. **Myocardial infarction and its Association with polymorphism of Angiotensin Converting Enzyme (ACE) and endothelial Nitric Oxide Synthase (e-NOS) genes, diabetes and dyslipidemia: A hospital based case control study**. (Dr. Ranjit Kumar Nath and Dr. Bornali Dutta), Department of Life Science, Dibrugarh University, Dibrugarh.

2. Hazarika, Sangeeta. **Microbial diversity of termite infested tea areas of Assam and possible utilization of microbes for its control**. (Prof. Piyush Pandey and Prof. N K Dubey), Department of Life Science, Dibrugarh University, Dibrugarh.

3. Karmakar, Panchali. **Studies on the ornamental puffer fish, *Tetraodon cutcutia* (Hamilton-buchanan) with reference to its habitat, biology, rearing and captive breeding**. (Prof. D N Das and Prof. S N Ramanujam), Department of Life Science, Dibrugarh University, Dibrugarh.

4. Patel, Pareshkumar Ambalal. **Modelling of some problems in lubrication**. (Dr. A R Patel), Faculty of Science, Nirma University, Ahmedabad.

5. Patel, Suhani Sagar. **Study of genotoxicity of nanoparticles**. (Dr. Sonal Bakshi), Faculty of Science, Nirma University, Ahmedabad.

6. Prajapati, Bhumika Jayantkumar. **Elucidating the role of pathogen pattern recognition receptors and inflammatory mediators following gut microbiota alteration and in diet induced type 2 diabetes**. (Dr. Sriram Seshadri), Faculty of Science, Nirma University, Ahmedabad.

7. Sarmah, Anamika. **Studies on limnology with special reference to fish and fisheries of gelabeel in Golaghat District, Assam**. (Prof. D N Das), Department of Life Science, Dibrugarh University, Dibrugarh.

8. Sharma, Sonal. **Development of DNA based marker for unequivocal identification and authentication of medicinal plants with special reference to adulteration**. (Dr. Neeta Srivastava), Faculty of Science, Nirma University, Ahmedabad.

Microbiology

1. Gupta, Manish. **Programmed cell death in mycobacterium: Study of the role of parDE genetic loci of mycobacterium tuberculosis H37Rv in macrophage growth and dormancy**. (Prof. Ramakrishnan Sitaraman), Department of Biotechnology, TERI University, New Delhi.