

THESES OF THE MONTH

SCIENCE & TECHNOLOGY

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



AGRICULTURAL & VETERINARY SCIENCES

Biotechnology

1. Dangi, Mehak. **In-silico characterization and validation of *Aspergillus fumigatus* allergens as protective molecules.** (Dr. Anil Kumar Chhillar), Department of Biotechnology, Maharshi Dayanand University, Rohtak.

Food Science & Technology

1. Siwatch, Munish. **Characterization of flours and starches from pseudocereals.** (Dr. Ritika Yadav), Department of Food Technology, Maharshi Dayanand University, Rohtak.

Forestry

1. Lakhera, Ajeet Kumar. **Chemical characterization of *Acacia tortilis* gum exudates and its comparison with other important *Acacia* gums.** (Dr. Vineet Kumar), Department of Chemistry of Forest Products, Forest Research Institute, Dehradun.

2. Nagar, Shipra. **Isolation and structural investigation of polysaccharide from *Tinospora sinensis*.** (Dr. Y C Tripathi and Dr. Vineet Kumar), Department of Chemistry of Forest Products, Forest Research Institute, Dehradun.

3. Naudiyal, Meenakshi. **Structural studies of *Hippophae salicifolia* polysaccharide.** (Dr. Vineet Kumar), Department of Chemistry of Forest Products, Forest Research Institute, Dehradun.

4. Pradeep Kumar. **Chemical investigation of vitex negundo polysaccharides.** (Dr. Vineet Kumar), Department of Chemistry of Forest Products, Forest Research Institute, Dehradun.

5. Singh, Deep Naryana. **Developing monitoring system for deforestation and forest degradation in tropical forest of Northern Chhattisgarh.** (Dr. Omprakash M D), Department of Forest Ecology and Environment, Forest Research Institute, Dehradun.

BIOLOGICAL SCIENCES

Bioinformatics

1. Sasikala, D. **Exploring the lytic phages and inhibitors in control biofilm formation of vibrio alginolyticus: An in vitro and in silico approach.** (Dr. P Srinivasan), Department of Bioinformatics, Alagappa University, Karaikudi.

Bioscience

1. Bhole, Krutika Lalit. **Studies on the ACE inhibitory and antioxidant potential of seasonal fruits.** (Dr. A V R L Narsimhacharya), B R D School of Biosciences, Sardar Patel University, Anand.

2. Ray, Sanketkumar Kaushikbhai. **Cost effective production optimization, fermentation scale up and biodegradation assessment of bacterial Polyhydroxyalkanoates (PHAs).** (Dr. Ujjaval Trivedi), B R D School of Biosciences, Sardar Patel University, Anand.

3. Vaidya, Sagar Subhashchandra. **Molecular analysis of culturable bacteria of the long term polluted Amlakhadi**

Canal, Ankleshwar, Gujarat and application of enriched consortia for degradation of Polycyclic Aromatic Hydrocarbons (PAHs). (Dr. Datta Madamwar), B R D School of Biosciences, Sardar Patel University, Anand.

Biotechnology

1. Borah, Debajit. **Isolation and molecular characterization of stress tolerant hydrocarbon degrading microorganisms from automobile engines.** (Prof. R N S Yadav), Centre for Biotechnology and Bioinformatics, Dibrugarh University, Dibrugarh.

2. Das, Saurav. **A study on arsenic tolerant bacterial communities prevalent in contaminated groundwater of Upper Assam.** (Prof. R N S Yadav and Prof. Madhumita Barooh), Centre for Biotechnology and Bioinformatics, Dibrugarh University, Dibrugarh.

3. Parida, Pratap Kumar. **Studies of molecular modeling and drug designing by comparative docking of Dengue Virus Protein (NS3) with human Nuclear Receptor Binding Proteins (NRBP).** (Prof. R N S Yadav), Centre for Biotechnology and Bioinformatics, Dibrugarh University, Dibrugarh.

Botany

1. Purohit, Shivangi Vijaykumar. **Allelopathic potential of selected medicinal plants and its utilization in weed control.** Department of Botany, M S University of Baroda, Vadodara.

2. Sharma, Pragya. **Effect of nitrogen and sulphur on growth and productivity of French Basil (*Ocimum Basilicum* L).** (Dr. S C Mehta and Dr. Gyanendra Tiwari), Department of Botany, Vikram University, Ujjain.

Life Science

1. Bailung, Bhenila. **Habitat ecology, biology and captive breeding of *Mystus dibrugarensis* (Chaudhuri, 1913) (Siluriformes: Bagridae).** (Prof. S P Biswas), Department of Life Science, Dibrugarh University, Dibrugarh.

2. Gogoi, Aditi Smith. **Characterization of few important industry clones of tea of Upper Assam.** (Prof. P K Borua), Department of Life Science, Dibrugarh University, Dibrugarh.

3. More, Revati Suresh Sulekha. **Investigations in techniques of rice crop discrimination and characterization using remote sensing data.** (Dr. N K Jain), Department of Life Science, Gujarat University, Ahmedabad.

Microbiology

1. Garge, Sneha Sudhakar. **Attenuation of quorum sensing regulated virulence by N-Acylhomoserine Lactone (AHL) degrading bacillus SP for the biocontrol of *Pectobacterium carotovorum* subsp. *carotovorum*.** Department of Microbiology, M S University of Baroda, Vadodara.

Zoology

1. Lone, Mohammad Yaqoob. **Toxicological effects of cyanotoxins on mice (*Mus musculus*).** (Prof. Mangla Bhide), Department of Zoology, Dr Harisingh Gour Vishwavidyalaya, Sagar.

