

THESES OF THE MONTH

SCIENCE & TECHNOLOGY



Kuldeep
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A List of doctoral theses accepted by Indian Universities (Notifications received in AIU during the month of Oct-Nov., 2018)

✓ AGRICULTURAL & VETERINARY SCIENCES

Agricultural Engineering

1. Kaushik, Prachi. **Studies on coating and calendaring parameters for improvement of coated paper quality.** (Dr. B P Thapliyal and Dr. Sanjay Tyagi), Department of Pulp and Paper Technology, Forest Research Institute, Dehradun.

Biotechnology

1. Patel, Ankit Harishbhai. **Enhancement of nodulation efficiency of mungbean Rhizobia.** (Dr. Lalit Mahaima), Department of Plant Molecular Biology and Biotechnology, Navsari Agricultural University, Navsari.

Food Science & Technology

1. Dangi, Priya. **Isolation and functionality testing of low molecular weight glutenin subunits of Indian wheat.** (Prof. Bhupender Singh Khatkar), Department of Food Technology, Guru Jambheshwar University of Science & Technology, Hisar.

2. Manish Kumar. **Development of ohmic heating system and its application for processing of selected fruits and fruit products.** (Dr. Aradhita Ray), Department of Food Technology, Guru Jambheshwar University of Science & Technology, Hisar.

Forestry

1. Ali, Sarah Binte. **Study of impacts of urban tree cover on microclimate of Bhopal City.** (Dr. Suprava Patnaik and Dr. M D Omprakash), Department of Forest Ecology and Environment, Forest Research Institute, Dehradun.

2. Baral, Pratibha. **Utilization of banana pseudostem for specialty paper and value added by-products.** (Dr. R K Jain and Dr. A K Dixit), Department of Forest Biotechnology, Forest Research Institute, Dehradun.

3. Ghosh, Mili. **Identifying the scope of increasing the supply of timber in Central India through Trees Outside Forests (TOFS).** (Dr. Bhaskar Sinha), Department of Forest Management, Forest Research Institute, Dehradun.

4. Himshikha. **Socio-economic analysis of agroforestry practices in Haridwar District of Uttarakhand.** (Dr. Charan Singh and Dr. Charan Singh), Department of Forestry Extension, Forest Research Institute, Dehradun.

5. Joshi, Bhawana. **Systematics and diversity of the family mymaridae (Hymenoptera: Chalcidoidea) in the Garhwal Region (Uttarakhand).** (Dr. Sudhir Singh), Department of Forest Entomology, Forest Research Institute, Dehradun.

6. Nirwan, Bindu. **Studies on host plant interaction, genetic diversity and development of strategy to manage diversity and development of strategy to manage *Ganoderma lucidum* (Curtis: Fr) P Karst: A wood decaying fungus of**

economically important tree species of arid and semi arid regions. (Dr. Sangeeta Singh, Dr. T S Rathore and Dr. Nepolean), Department of Forest Pathology, Forest Research Institute, Dehradun.

7. Shailendra Kumar. **Development of thermal storage system for solar timber drying.** (Dr. Kishan Kumar V S), Department of Wood Science and Technology, Forest Research Institute, Dehradun.

8. Vaishnav, Vivek Kumar. **Studies on genetics structure linkage disequilibrium and marker-wood trait association in teak (*Tectona grandis* L f) of National germplasm bank Chandrapur, using microsatellite markers.** (Dr. S A Ansari), Department of Forest Genetics, Forest Research Institute, Dehradun.

✓ BIOLOGICAL SCIENCES

Botany

1. Guntakani, Kranthikumar. **Preliminary, biochemical and molecular characterization of rhizobacterial strains isolated from root nodules of vigna trilobata (L) verde cultivars.** (Dr. M Raghu Ram), Department of Botany, Acharya Nagarjuna University, Nagarjuna Nagar.

Marine Science

1. Saritha, S. **Isolation and characterization of glycolipids from *synechocystis* sp and its cytotoxic potential against colon cancer.** (Dr. S Muraleedharan Nair), Department of Chemical Oceanography, Cochin University of Science & Technology, Kochi.

2. Varghese, Aswathy Mary. **Transcriptome dynamics of *mangrovibacter* sp during aerobic to anoxic transition.** (Dr. Tomas C Joseph and Dr. Lalitha K V), Central Institute of Fisheries Technology, Cochin University of Science & Technology, Kochi.

EARTH SYSTEM SCIENCES

Environmental Science

1. Sam, Lydia. **Study of dynamics in Himalayan glaciers using geospatial techniques.** (Prof. Rajesh Kumar), Department of Environmental Science, Sharda University, Greater Noida.

2. Shaktiman Singh. **Study of glacio hydrological processes.** (Prof. Rajesh Kumar), Department of Environmental Science, Sharda University, Greater Noida.

3. Chhatarpal Singh. **Impact of biochar and CSR-BIO application on methanotrophs, microbial biomass and paddy yield in saline soil.** (Dr. Jay Shankar Singh), Department of Environment Microbiology, Babasaheb Bhim Rao Ambedkar University, Lucknow.

4. Verma, Chhaya. **Remediation of cadmium contaminated soil with PGPR consortia and hyperaccumulator plants.** (Prof. Rajesh Kumar), Department