
THESES OF THE MONTH

SCIENCE & TECHNOLOGY

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

AGRICULTURAL & VETERINARY SCIENCES

✓ Agroforestry

1. Bammanahalli, Shivaputra. **Productivity and carbon storage in prevalent agroforestry systems in sub tropical region of Himachal Pradesh.** (Dr. K S Pant), Department of Agroforestry, Dr Y S Parmar University of Horticulture and Forestry, Nauni, District Solan.

✓ Agronomy

1. Todar Mal. **Productivity of maize-based cropping systems in relation to tillage, mulching and fertilizer management practices.** Department of Agronomy, Punjab Agricultural University, Ludhiana.

✓ Biochemistry

1. Satinder, Kour. **Re-established desiccation tolerance as a mechanism of stress tolerance in wheat.** Department of Biochemistry, Punjab Agricultural University, Ludhiana.

✓ Entomology

1. Sharma, Urvi. **Bioecology and management of rice hispa, *Diadisa armigera* (Oliver) under mid-hill conditions of Himachal Pradesh.** (Dr. Ajay Srivastava), Department of Entomology, CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur.

✓ Food Science & Technology

1. Patwari, Kanwaki. **Enzymatic hydrolysis of rapeseed meal protein and study of the functional properties of its isolates and hydrolysates.** (Prof. Charu Lata), Department of Food Engineering and Technology, Tezpur University, Napaam, Tezpur.

2. Seth, Dibyakanta. **Spray dried *Misti Dahi* (Sweetened yoghurt) powder: Process technology, encapsulation of bacterial cells, texture improvement and sorption studies.** (Prof. S C Deka), Department of Food Engineering and Technology, Tezpur University, Napaam, Tezpur.

3. Verma, Arti. **Inheritance of quantitative and qualitative traits and downy mildew resistance in cauliflower (*Brassica oleracea L Var botrytis*).** (Dr. Youdivir Singh), Department of Vegetable Science & Floriculture, CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur.

✓ Microbiology

1. Kaundal, Kirti. **Characterization of bioactive metabolites producing strains *pseudomonas* species for survival and growth promotion of replanted apple.** (Dr. Mohinder Kaur), Department of Microbiology, Dr Y S Parmar University of Horticulture and Forestry, Nauni, District Solan.

2. Sood, Bhavish. **Development of diagnostic protocol for assessment of microbiological quality of fresh vegetables.** Department of Microbiology, Punjab Agricultural University, Ludhiana.

✓ Soil Science

1. Dhiman, Shilva. **Soil plant water dynamics and soil health as affected by nutrient management practices under gram-maize cropping sequence.** (Dr. Y P Dubey), Department of Soil Science, CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur.

BIOLOGICAL SCIENCES

Biotechnology

1. Deshpande, Jyoti Amol. **Standardization of in-vitro culture of *plumbago* Sp for optimization of plumbagin production and therapeutic studies of plumbagin along with in-silico designing and docking of plumbagin analogs.** (Dr. M B Khetmalas), Faculty of Biotechnology, Dr D Y Patil Vidyapeeth, Kolhapur.

Botany

1. Sasidharan, Swapna. **Characterization of dioecy in nutmeg (*Myristica fragrans* houtt).** (Dr. Y Saideswara Rao and Dr. K Mary Mathew), Department of Botany, Andhra University, Visakhapatnam.

2. Sindhu, Sukhpreet Kaur. **Assessment of germplasm for variation in acquisition and utilization of phosphorus in pigeonpea [*Cajanus cajan* (L) Millsp].** Department of Botany, Punjab Agricultural University, Ludhiana.

Microbiology

1. Sultana, Uzma. **Development of diazotrophic bioinoculants for improved nutrition and plant growth in sorghum and pigeonpea.** (Dr. Suseelendra Desai and Prof. Gopal Reddy), Department of Microbiology, Osmania University, Hyderabad.

EARTH SYSTEM SCIENCES

Environmental Science

1. Bhuyan, Pranamika. **Chemical characterization of rainwater over Brahmaputra Valley.** (Prof. R R Hoque), Department of Environmental Science, Tezpur University, Napaam, Tezpur.

2. Deka, Jyoti Prakash. **Imprints of long range transported pollution on Eastern Himalayan high Altitude Lakes through geochemical, isotopic and anthropogenic signature.** (D Manish Kumar), Department of Environmental Science, Tezpur University, Napaam, Tezpur.

Geology

1. Das, Sohini. **Structural pattern and kinematic framework of deformation in the Eastern sector of Kaladgi Basin, Bagalkot District, Karnataka, South-Western India.** (Dr. Mrinal Kanti Mukherjee), Department of Applied Geology, Indian School of Mines University, Dhanbad.

2. Swain, Sagar Kumar. **Stable isotope and geochemical**