# THESES OF THE MONTH

## **SCIENCE & TECHNOLOGY**



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A List of doctoral theses accepted by Indian Universities (Notifications received in AIU during the month of April-May, 2018)

## V AGRICULTURAL & VETERINARY SCIENCES

#### Agricultural Engineering

1. Sandeep Kumar. Design and evaluation of automated drip irrigation system. Department of Department of Soil and Water Engineering, Punjab Agricultural University, Ludhiana.

#### Agricultural Extension

1. Hossain, Abul Kashem Mohammad Jahangir. A study on feedback mechanism of agricultural extension services in Saurashtra Region of Gujarat. (Dr. P R Kanani), Department of Agricultural Extension, Junagadh Agricultural University, Gujarat.

#### Forestry

1. Yadavrao, Sumthane Yogesh. Studies on wood properties of toon wood (*Toona ciliata* M Roem) procured from local markets in Himachal Pradesh. (Dr. Kulwant Rai Sharma), Department of Wood Science and Technology, Dr Y S Parmar University of Horticulture and Forestry, Nauni, District Solan.

## Genetics & Plant Breeding

1. Bilwal, Bhimsing Bhagwansingh. Genetic architecture of seed cotton yield and its attributing traits over environments in cotton (G hirsutum L). (Dr. K V Vadodariya), Department of Genetics and Plant Breeding, Navsari Agricultural University, Navsari.

2. Raghavendra, N R. Pyramiding of QTLs for grain yield under water stress and genes for brown plant hopper resistance through marker assisted backcross breeding in Indica rice (*Oryza sativa* L). Department of Department of Plant Breeding & Genetics, Punjab Agricultural University, Ludhiana.

3. Sharma, Pankaj. Inheritance and mapping of fertility restoration gene(s) in A<sub>2</sub> cytoplasm in pigeonpea. Department of Plant Breeding & Genetics, Punjab Agricultural University, Ludhiana.

## Horticulture

1. Manohar Lal. Studies on seed production technology of onion (Allium cepa L) under changing climatic conditions in mid hills of Himachal Pradesh. (Dr. H S Kanwar), Department of Seed Science and Technology, Dr Y S Parmar University of Horticulture and Forestry, Nauni, District Solan.

2. Singh, Savpriya. Effect of mulching and fertigation on growth, production and quality of strawberry (*Fragaria x ananassa* Duch) cv chandler. Department of Horticulture, Punjab Agricultural University, Ludhiana.

### **Plant Biochemistry**

1. Hirpara, Darshna Gordhanbhai. Micro RNA profiling, antifungal and nanoformulation characterizations of multi stress tolerant *Trichoderma* fusants for biocontrol activity against Sclerotium rolfsii Sacc causing stem rot in groundnut. (Dr. H P Gajera), Department of Plant Molecular Biology and Biotechnology, Junagadh Agricultural University, Gujarat.

#### Plant Pathology

1. Gill, Rupeet. Molecular and biochemical bases for resistance to sclerotinia stem rot in introgressed Brassica juncea lines. Department of Plant Pathology, Punjab Agricultural University, Ludhiana.

#### Veterinary Science

1. Rawat, Anurag. A study to analyze reproductive potency of butter catfish, *Ompok bimaculatus* (Bloch 1974) and its induced breeding. (Dr. Abha Mishra), Department of Applied Animal Sciences, Babasaheb Bhim Rao Ambedkar University, Lucknow.

## **BIOLOGICAL SCIENCES**

#### Biotechnology

1. Patnaik, Rajashree. Monitoring toxicity of environmental chemicals with cultured stem cells from human cord blood. (Dr. Rabindra Nath Padhy), Department of Biotechnology, Siksha O Anusandhan University, Bhubaneswar.

#### Botany

1. Choudhary, Vijay Shankar. Studies on the pathology of stored fleshy fruits grown and sold in Kosi Division. (Dr. Indu Kumari), Department of Botany, Bhupendra Narayan Mandal University, Madhepura.

2. Dey, Rupa. Ecology of a perennial wetland in the Indo-Gangetic plains: A case study of Kabartaal Wetland in Bihar. (Dr. Sunil Kumar Choudhary), Department of Botany, T M Bhagalpur University, Bhagalpur.

3. Namita Kumari. Studies on the biology of the fungi invading the sunflower seed during storage in Koshi Division. (Dr. Naresh Narayan), Department of Botany, Bhupendra Narayan Mandal University, Madhepura.

#### Genetics

1. Kansara, Mudra Harnishbhai. Biochemical and molecular studies in female infertility. (Dr. M V Rao), Department of Human Genetics, Gujarat University, Ahmedabad.

#### Life Science

1. Samova, Sanman Kanubhai. Bisphenol A: Induced male reproductive toxicity and its amelioration using an antioxidant. (Dr. R J Verma), Department of Life Science, Gujarat University, Ahmedabad.

#### Microbiology

1. Vaishnav, Avni Mukesh. Bacterial exopolysaccharide production from fruits and potato waste. (Dr. S R Dave), Department of Microbiology, Gujarat University, Ahmedabad.