

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, 2016)

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AGRICULTURAL & VETERINARY SCIENCES

✓ Agricultural Engineering

1. Manpreet Singh. **Design and development of tractor operated seeder for wheat as relay crop in cotton.** Department of Farm Power & Machinery, Punjab Agricultural University, Ludhiana.

✓ Biochemistry

1. Malhotra, Hina. **Screening and biochemical analysis for salinity tolerance in cotton.** Department of Biochemistry, Punjab Agricultural University, Ludhiana.

2. Thangjam, Anand Singh. **Fibrinolytic enzymes in traditional fermented foods of Northeast India and associated microorganisms.** (Prof. G U Ahmed and Dr. K Jeyaram), Department of Biochemistry, Gauhati University, Guwahati.

✓ Biotechnology

1. Roy, Jayanti Datta. **Study of adaptogenic activity, in vivo efficacy of some indigenous plant species and their molecular characterization.** (Prof. A K Handique), Department of Biotechnology, Gauhati University, Guwahati.

✓ Food & Nutrition

1. Bathla, Shikha. **Efficacy of double fortified salt in combating the dual problem of iron and iodine deficiency.** Department of Food and Nutrition, Punjab Agricultural University, Ludhiana.

2. Sisodia, Poonam. **Development and evaluation of iron rich maize based extruded snacks.** Department of Food and Nutrition, Punjab Agricultural University, Ludhiana.

✓ Genetics & Plant Breeding

1. Baruah, Sangeeta. **Assessment of genetic diversity and inheritance study for Yellow Mosaic Virus resistance in soybean (*Glycine max L. merr*).** (Dr. Bebrat), Department of Bioengineering, Gauhati University, Guwahati.

✓ Irrigation & Water Management

1. Yangchan, Jigmet. **Impact of resource conservation interventions on water and sediments yield in a watershed of Shivalik.** Department of Soil & Water Engineering, Punjab Agricultural University, Ludhiana.

✓ Plant Pathology

1. Ritu Rani. **Variability in *ustillaginoidea virens* (Cke) tak causing false smut of rice and identification of resistance sources.** Department of Plant Pathology, Punjab Agricultural University, Ludhiana.

BIOLOGICAL SCIENCES

✓ Bioinformatics

1. Sudha, A. **Biological evaluation of bioactive compound**

with antioxidant, antiinflammatory and anticancer activities: An experimental and computational approach. (Dr. P Srinivasan), Department of Animal Health and Management, Alagappa University, Tamilnadu.

✓ Botany

1. Alpa. **Arbuscular mycorrhizal fungi: Their occurrence, distribution and role in growth enhancement of some important oil yielding crops.** (Dr. Ashok Aggarwal), Department of Botany, Kurukshetra University, Kurukshetra.

2. Baruah, Plabita. **Phytoremediation of hydrocarbon contaminated soil with some efficient plant species.** (Prof. Suresh Deka and Prof. P P Baruah), Department of Botany, Gauhati University, Guwahati.

3. Biban, Laxmi. **Ecophysiological studies on cyanobacterial flora of two sacred ponds of Kurukshetra, India.** (Dr. C B Singh), Department of Botany, Kurukshetra University, Kurukshetra.

4. Gagandeep Kaur. **Physiological and anatomical basis of flower drop in pigeonpea (*Cajanus cajan L*) in response to foliar application mineral nutrients.** Department of Botany, Punjab Agricultural University, Ludhiana.

5. Gopinath, K. **Green synthesis of nanomaterials by *gloriosa superba L*: Micropropagation and their nanobiotechnological applications.** (Dr. A Arumugam), Department of Nanoscience and Technology, Alagappa University, Tamilnadu.

6. Puneet Kaur. **Physiological studies on cut flowers with special reference to metabolites and antioxidant enzymes.** (Dr. Narender Singh and Dr. Dibakar Mukherjee), Department of Botany, Kurukshetra University, Kurukshetra.

7. Sabebaro, Namo Das. **Studies on the fungal diseases of brinjal (*Solanum melongena L*) and management of certain important diseases.** (Dr. Tarun Chandra Sarma), Department of Botany, Gauhati University, Guwahati.

8. Vikram Singh. **Vegetation composition, biodiversity patterns and carbon stock assessment in forest ecosystems of Southern Haryana.** (Dr. Narender Singh and Dr. S R Gupta), Department of Botany, Kurukshetra University, Kurukshetra.

Zoology

1. Gulati, Alka. **Studies on effect of Malathion on goat (*Capra hircus*) testis.** (Dr. R K Sharma), Department of Zoology, Kurukshetra University, Kurukshetra.

2. Nancy. **Investigation on current status of bromadiolone resistance in *rattus rattus* (Linnaeus).** Department of Zoology, Punjab Agricultural University, Ludhiana.

3. Purkayastha, Sravonee. **A study on the effect of certain habit-forming and anabolic drugs on fertility status in male mice.** (Dr. Rita Mahanta), Department of Zoology, Gauhati University, Guwahati.