

THESES OF THE MONTH

SCIENCE & TECHNOLOGY

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

AGRICULTURAL & VETERINARY SCIENCES

✓ Agronomy

1. Rajinder Pal. **Enhancing productivity of dry-direct seeded rice (*Oryza sativa* L) through agronomic and physiological interventions.** Department of Agronomy, Punjab Agricultural University, Ludhiana.

2. Vivek Kumar. **Planting geometry and nutrition management for mechanized seed potato (*Solanum tuberosum* L) production.** Department of Agronomy, Punjab Agricultural University, Ludhiana.

✓ Animal Husbandry

1. Patel, Vipulkumar Ramanbhai. **Effect of feeding *Albizia lebbek* and *Terminalia arjuna* leaves on nutrient utilization and productive performance of Surti Goats.** (Dr. M C Desai), Department of Animal Nutrition, Navsari Agricultural University, Navsari.

✓ Entomology

1. Desai, Shikhar Rameshbhai. **Bionomics of spider mite (*Tetranychus urticae* Koch) infesting rose under poly house condition.** (Dr. K G Patel), Department of Agricultural Entomology, Navsari Agricultural University, Navsari.

2. Sharma, Rakesh Kumar. **Acaridice resistance and its biochemical and molecular bases in two-spotted spider mite, *Tetranychus urticae* Koch.** Department of Entomology, Punjab Agricultural University, Ludhiana.

✓ Food Science & Technology

1. Ahmad, Tanveer Ahmad Qadeer. **Utilization of mango (*Mangifera indica* L) processing industry waste for value addition.** (Dr. Dev Raj), Department of Post Harvest Technology, Navsari Agricultural University, Navsari.

✓ Genetics & Plant Breeding

1. Gupta, Ram Prakash. **Generation mean analysis for yield and yield components in cowpea [*Vigna unguiculata* L) Walp].** (Dr. S R Patel), Department of Genetics and Plant Breeding, Navsari Agricultural University, Navsari.

2. Patel, Unnatiben Pravinbhai. **Genetic analysis of biofortified rice [*Oryza sativa* L].** (Dr. P B Patel), Department of Genetics & Plant Breeding, Navsari Agricultural University, Navsari.

✓ Veterinary Science

1. Meneka, R. **Anatomical studies on prenatal and postnatal development of thyroid glands in Surti Goat (*Capra hircus*).** (Dr. K N Vyas), Department of Veterinary Anatomy and Histology, Navsari Agricultural University, Navsari.

2. Narang, Asmita. **Diagnostic and therapeutic studies on lower respiratory tract affections in cattle.** Department of Veterinary Medicine, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana.

3. Singh, Virendra Kumar. **Hemato biochemical, oxidative**

stress, production parameters and gene expression studies in Surti buffalo with yeast (*Saccharomyces cerevisiae*) supplementation. (Dr. Sandhya S Chaudhary), Department of Veterinary Physiology, Navsari Agricultural University, Navsari.

BIOLOGICAL SCIENCES

✓ Bio Science

1. Kuruvilla, Linu. **Micro RNAs hevea brasiliensis: Role in abiotic stress responsive gene regulation.** (Dr. W E Mohamed Sathik), School of Biosciences, Mahatma Gandhi University, Kottayam.

✓ Botany

1. Panigrahi, Jitendriya. **Development of micropropagation techniques and analysis of secondary metabolites of adhatoda SPS, and chlorophytum SPS.** (Dr. C Patel), Department of Botany, Hemchandracharya North Gujarat University, Patan.

2. Patel, Vandanaaben Gunvantbhai. **Floristic and ethnobotanical studies of Idarvadali Forest Ranges, District Sabarkantha, Gujarat.** (Dr. M S Jangid), Department of Botany, Hemchandracharya North Gujarat University, Patan.

EARTH SYSTEM SCIENCES

✓ Environmental Science

1. Ansari, J. **Development of anaerobic-aerobic modular sanitation system for household liquid waste.** (Dr. V B Manilal), Department of Environmental Science, Mahatma Gandhi University, Kottayam.

ENGINEERING SCIENCES

Chemical Engineering

1. Arshdeep Kaur. **Studies on catalytic hydrogen generation from sodium borohydride.** (Dr. D Gangacharyan and Dr. Pramod K Bajpai), Department of Chemical Engineering, Thapar University, Patiala.

Computer Science & Engineering

1. Garg, Neenu. **A framework for data integrity checking in cloud computing.** (Dr. Seema Bawa), Department of Computer Science & Engineering, Thapar University, Patiala.

2. Hari Singh. **Efficient grid-GIS framework for spatial data.** (Dr. Seema Bawa), Department of Computer Science & Engineering, Thapar University, Patiala.

3. Misra, Dinesh Kumar. **Designing a system for fingerprint image enhancement using filter.** (Dr. S P Tripathi and Dr. Mayank Pawar), Department of Computer Science & Engineering, Teerthanker Mahaveer University, Moradabad.

4. Naik, R Lalu. **Secure quantum key distribution protocols.** (Prof. Chenna Reddy), Department of Computer Science & Engineering, Jawaharlal Nehru Technological University Anantapur, Ananthapuramu.

5. Pandove, Divya. **Big data clustering based**