

THESES OF THE MONTH

SCIENCE & TECHNOLOGY

A List of doctoral theses accepted by Indian Universities

(Notifications received in AIU during the month of December 2020- January 2021)



AGRICULTURAL & VETERINARY SCIENCES

Agricultural Economics

1. Gurlal Singh. **Changing income and employment structure of agricultural labour in Punjab.** Department of Agricultural Economics, Punjab Agricultural University, Ludhiana.

Biotechnology

1. Gurwinder Kaur. **Mapping and transfer of Genes/QTLs for nematode (*Meloidogyne graminicola*) resistance from *oryza glaberrima* into *oryza sativa* L.** Department of Biotechnology, Punjab Agricultural University, Ludhiana.

2. Modi, Krunal Govindbhai. **Isolation and characterization of bacillus consortia for plant growth promotion in rice (*Oryza sativa* L).** (Dr. Sanjay Jha), Department of Plant Molecular Biology and Biotechnology, Navsari Agricultural University, Navsari.

3. Padhiyar, Shitalben Maldebhai. **Transcriptome sequencing and metabolomic characterization of barnyard millet (*Echinochloa frumentacea* L) to discover putative genes involved in spike development and its nutraceutical properties.** (Dr. Rukam S Tomar), Department of Plant Molecular Biology and Biotechnology, Junagadh Agricultural University, Junagadh.

Entomology

1. Simranjit Kaur. **Influence of insecticides on growth and development of *Bemisia tabaci* (Gennadius) infesting cotton.** Department of Entomology, Punjab Agricultural University, Ludhiana.

Floriculture

1. Gurjar, Rashmikant Anantray. **Effect of land configuration and nutrients management on growth, quality and yield of chrysanthemum (*Dendrathera grandiflora Tzvelev*) var *thai chen queen*.** (Dr. S L Chawla), Department of Floriculture and Landscape Architecture, Navsari Agricultural University, Navsari.

Food Science & Technology

1. Panchal, Rajeshkumar Kishorkumar. **Effect of foliar application of silicon on growth, yield and quality of Banana (*Musa paradisiaca* L) c v grand nain.** (Dr.

S J Patil), Department of Floriculture and Landscape Architecture, Navsari Agricultural University, Navsari.

2. Patel, Prasulkumar Rameshbhai. **Effect of nitrogen and bio fertilizers on growth, yield and quality of banana (*Musa paradisiaca* L) cv grand nain.** (Dr. B N Patel), Department of Fruit Science, Navsari Agricultural University, Navsari.

3. Shilpa. **Characterization of selected cereals and pulses for the development of functional foods.** (Dr. Sangita Sood), Department of Food Science Nutrition and Technology, CSK Himachal Pradesh Krishi Vishwavidyalaya, Palampur.

Veterinary Science

1. Kathiriya, Jaysukh Bachubhai. **Seroepidemiology, cultural and molecular detection of Brucella infection in ruminants of South Saurashtra Region of Gujarat.** (Dr. N M Shah), Department of Veterinary Microbiology, Junagadh Agricultural University, Junagadh.

2. Padheriya, Yogeshkumar Dharamshibhai. **Effect of photoperiod on production, blood biochemical parameters and hormonal assay in Surti Goats.** (Dr. R R Singh), Department of Livestock Production and Management, Navsari Agricultural University, Navsari.

3. Parmar, Saurabhkumar Meghalal. **Use of cardiac biomarkers and echocardiography to diagnose dilated cardiomyopathy in dogs.** (Dr. M D Patel), Department of Veterinary Medicine, Navsari Agricultural University, Navsari.

4. Sharma, Akshay. **Efficacy of some ovulation synchronization protocols in dairy cows diagnosed with post-partum sub-clinical endometritis.** (Dr. Madhumeet Singh), Department of Veterinary Gynaecology and Obstetrics, CSK Himachal Pradesh Krishi Vishwavidyalaya, Palampur.

5. Sharma, Hitendrabhai Chandubhai. **Efficacy of various estrus synchronization protocols on reproductive period of surti does.** (Dr. C T Khasatiya), Department of Animal Reproduction, Gynaecology and Obstetrics, Navsari Agricultural University, Navsari.

6. Vaghajibhai, Mavadiya Sureshkumar. **Sero-molecular diagnosis of equine piroplasmosis in and**

around Navsari District. (Dr. R M Patel), Department of Veterinary Medicine, Navsari Agricultural University, Navsari.

BIOLOGICAL SCIENCES

Biochemistry

1. Kalita, Jupitara. **Structure-function relationship of a glutathione S-transferase from the liver fluke-*Fasciola gigantica***. (Dr. Timir Tripathi), Department of Biochemistry, North Eastern Hill University, Shillong.

Biotechnology

1. Sahitya, U Lakshmi. **Identification of aquaporin gene family and QTLs for drought tolerance using linkage mapping approach in chilli (*Capsicum annuum* L)**. (Dr. S R Krishna Motukuri), Department of Biotechnology, Koneru Lakshmaiah Education Foundation, Guntur.

Botany

1. Gupta, Dipinte. **Development of efficient synthetic promoters derived from plant pararetroviruses**. (Dr. Rajiv Ranjan), Department of Botany, Dayalbagh Educational Institute, Agra.

2. Majaw, Sophie Phanri. **Identification of rhizospheric fungal isolates for biocontrol of phytopathogens of *Zingiber officinale* Rose**. (Prof. H Kayang), Department of Botany, North Eastern Hill University, Shillong.

3. Marak, Manna Chibra N. **Studies on fungal endophytes associated with *Solanum tuberosum* L for antagonistic potential against soil borne pathogens**. (Prof. H Kayang), Department of Botany, North Eastern Hill University, Shillong.

4. Narah, Deji. **Studies on the floristic diversity of angiospermic species of Dhemaji District, Assam**. (Prof. Yogendra Kumar), Department of Botany, North Eastern Hill University, Shillong.

5. Pande, Jyoti Ashok. **Evaluation of various secondary metabolites and biological activity of some medicinal plants with regards to specific nakshatras**. (Dr. Sumitra Chandra), Department of Botany, Saurashtra University, Rajkot.

6. Sapa, Nikita Pramodkumar. **Evaluative studies on *in vitro* and *in silico* analysis of jasminum sp**. (Dr. Himanshu Pandya), Department of Botany, Gujarat University, Ahmedabad.

7. Saxena, Richa. **Synthesis of silver nanoparticles using the selected fruit peels and testing their antibacterial effectiveness against urinary tract infection caused by**

Escherichia Coli. (Prof. J N Srivastava), Department of Botany, Dayalbagh Educational Institute, Agra.

8. Singh, Anshu. **Biosynthesis of silver nanoparticles (AgNPs) using plant material as nano-drug against pathogenic bacteria**. (Prof. J.N. Srivastava), Department of Botany, Dayalbagh Educational Institute, Agra.

9. Sonal. **A study of virus infecting clerodendrum inerme (L) gaertn exhibiting mosaic symptoms in Agra region**. (Dr Sharmita Gupta), Department of Botany, Dayalbagh Educational Institute, Agra.

10. Teg Bahadur Singh. **Isolation, characterization and evaluation of growth potential of plant growth promoting rhizobacteria from agricultural fields in Agra**. (Prof. D Prem Kumar), Department of Botany, Dayalbagh Educational Institute, Agra.

11. Tiwary, Raghuvar. **Morphometric, genetic and phytochemical variabilities among natural populations of *aconitum* species across environmental gradients in Northeastern India**. (Prof. S K Barik and Prof. N K Chrungoo), Department of Botany, North Eastern Hill University, Shillong.

12. Verma, Nitesh. **Microbial degradation of polyethylene carry bags of low density**. (Dr. Sharmita Gupta), Department of Botany, Dayalbagh Educational Institute, Agra.

13. Yadav, Arti. **Production of salt tolerant rootstock lines and standardization of *in vitro* plant regeneration protocol in Citrus Sp**. (Prof. D. Prem Kumar), Department of Botany, Dayalbagh Educational Institute, Agra.

Marine Science

1. Parmar, Hitesh Virambhai. **Fisheries resource management evaluation of selected herbs as dietary supplements on growth performance, survival and resistance against *Aeromonas hydrophila* infection in Genetically Improved Farmed Tilapia (GIFT), *Oreochromis Niloticus* fry**. (Dr. S I Yusufzai), Department of Aquaculture, Junagadh Agricultural University, Junagadh.

2. Vyas, Upasana Dhirajlal. **Ichthyofaunal diversity of phophal, OZAT-II and HIRAN-II reservoirs of Saurashtra, Gujarat**. (Dr. A Y Desai), Department of Fisheries Resource Management, Junagadh Agricultural University, Junagadh.

Microbiology

1. Gosai, Jitendrapuri Pratappuri. **Approaches to enhance the nodulation competitiveness of rhizobia**. (Prof. G. Archana), Department of Microbiology, M S University of Baroda, Vadodara.