

THESES OF THE MONTH



SCIENCE & TECHNOLOGY

Subir Das

A List of doctoral theses accepted by Indian Universities (Notifications received in AIU during the month of July-August, 2019)

AGRICULTURAL & VETERINARY SCIENCES

✓ Agronomy

1. Jangir, Rameti. **Integrated nutrient management in grain Amaranth (*Amaranthus hypochondriacus L*)-Cowpea [*Vigna unguiculata (L) WALP*] cropping sequence under South Gujarat condition.** (Dr. J D Thanki), Department of Agronomy, Navsari Agricultural University, Navsari.

2. Sharma, Parul. **Molecular cytogenetic analysis of rye chromatin introgressed bread wheat recombinants for drought tolerance and yellow rust resistance.** (Dr. H K Chaudhary), Department of Crop Improvement, CSK Himachal Pradesh Krishi Vishwavidyalaya, Palampur.

✓ Biochemistry

1. Xavier, Smitha M. **Studies on physiological, biochemical and molecular factors associated with drought tolerance in *Hevea* germplasm accessions.** (Dr. Molly Thomas and Dr. K Annamalaiathan), Department of Biochemistry, Mahatma Gandhi University, Kottayam.

✓ Food Science & Technology

1. Solanki, Jitesh Babubhai. **Effect of active and vacuum packaging on the quality of dried sardine (*Sardinella longiceps*) and sole fish (*Cynoglossus lingua*) during storage period.** (Dr. S M Zofair), College of Fisheries Science, Junagadh Agricultural University, Junagadh.

✓ Floriculture

1. Rana, Chanchal. **Stability analysis for pod yield and component traits and validation of powdery mildew resistance in garden pea.** (Dr. Akhilesh Sharma), Department of Vegetable Science & Floriculture, CSK Himachal Pradesh Krishi Vishwavidyalaya, Palampur.

✓ Plant Physiology

1. Chaudhari, Ankitkumar Kantibhai. **Epidemiology, symptomatology and management of false SMUT [*Ustilaginoidea virens* (Cooke) Takahashi] of rice (*Oryza sativa L*).** (Dr. K B Rakholiya), Department of Plant Physiology, Navsari Agricultural University, Navsari.

Veterinary Science

1. Sandeep Kumar. **Studies on diagnosis and management of oral tumors in bovines.** (Dr. Ranbir Singh Bisla), Department of Veterinary Surgery and Radiology, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar.

BIOLOGICAL SCIENCES

✓ Biochemistry

1. Hazeena, V N. **Aldose reductase inhibitory potential of *Vernonia anthelmintica (L) Willd.*** (Dr. Anie Y), Department of Biochemistry, Mahatma Gandhi University, Kottayam.

2. Seema Kumari. **Preparation and characterization of urease nanoparticles and their application in construction of an improved potentiometric urea biosensor.** (Dr. C S Pundir), Department of Biochemistry, Maharshi Dayanand University, Rohtak.

3. Thakkar, Sampark S. **Synthesis characterization of 1,2,4- triazole, 1,3,4 oxadiazole and benzothiazole analogues; PM6, DFT and *in silico* molecular docking to evaluate their potential as antimicrobial and antimalarial as DHFR inhibitor agents.** (Prof. Arbinda Ray), Department of Chemical Sciences, Charotar University of Science and Technology, Anand.

✓ Biotechnology

1. Amit Kumar. **Characterization of *dhfr* and *dhps* genotypes in field isolates of *plasmodium falciparum* and their correlation with gametocytes.** (Prof. S K Gahlawat), Department of Biotechnology, Chaudhary Devi Lal University, Sirsa.

2. Narzary, Derhasat. ***In vitro* and *in vivo* studies on antioxidative and antihyperglycemic effects of *Hodgsonia heterococclita* fruit pulp.** (Dr. Birendra Kr Brahma), Department of Biotechnology, Bodoland University, Kokrajhar.

3. Narzary, Hwiyang. **Nutritional value and phytochemical study of selected wild edible plants consumed by Bodos of Assam.** (Dr. Sanjay Basumatary), Department of Biotechnology, Bodoland University, Kokrajhar.

✓ Botany

1. Lovely, M S. **Inventorying mangrove flora along Muziris Pattanam Wetlands and the characterization of bioactive compounds in selected members.** (Dr. Merlee Teresa M V), Department of Botany, Mahatma Gandhi University, Kottayam.

2. Maurya, Rupesh Ramkaran Nirmala. **Taxonomic study of flowering plants in Panchmahal District Gujarat.** (Dr. H A Solanki), Department of Botany, Gujarat University, Ahmedabad.

3. Mukhia, Sumira. **Studies of phytochemical and antioxidant properties of selected liver worts of Darjeeling Himalaya.** (Dr. P Mandal and Dr. D K Singh), Department of Botany, University of North Bengal, Darjeeling.

4. Sahu, Chittaranjan. **Assessment of ethnic bioresources of Budh District, Orissa, India to meet the requirement of herbal drug industry.** (Dr. Ranindra Kumar Nayak and Dr. N K Dhal), Department of Botany, Utkal University of Culture, Bhubaneswar.

5. Sharma, Deepti Kamleshkumar. **Feasibility studies on biodegradable plastic from phytoresources.** (Dr. A U Mankad), Department of Botany, Gujarat University, Ahmedabad.

✓ Life Science

1. Ahir, Harsha Lakhabhai. **Cumulus co-culture system and embryoscopic studies in IVF technique.** (Dr. Darshan H Patel), Department of Biological Sciences, Charotar University of Science and Technology, Anand.

2. Yengkhom, Premlata Devi. **Studies of fungal diseases of rapeseed-mustard and their integrated management under the organic farming system in Manipur.** (Prof. G K N Chhetry), Department of Life Sciences, Manipur University, Imphal.

Marine Science

1. Patel, Mukeshkumar Purushottambhai. **Effects of probiotic *Lactobacillus spp* on growth, survival stress tolerance and**