

THESES OF THE MONTH

SCIENCE & TECHNOLOGY

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

AGRICULTURAL & VETERINARY SCIENCES

✓ Genetics & Plant Breeding

1. Bishoyi, Ashok Kumar. **Molecular fingerprinting and cultivars' performances of cymbopogon spp under semiarid agroclimatic zones of Gujarat.** (Dr. Geetha K A), Faculty of Applied Science, Charotar University of Science and Technology, Gujarat.

✓ Horticulture

1. Gautam, Shreesh Kumar. **A study on the bioactive phytochemicals in Indian cape gooseberry (*Physalis peruviana* L) fruit and products as a functional food.** (Prof. Deepa H Dwivedi), Department of Applied Plant Science, Babasaheb Bhim Rao Ambedkar University, Lucknow.

✓ Microbiology

1. Thakur, Arti. **Diversity exploration and biotechnical application of rhizobacteria of groundnut rhizosphere from certain agricultural area of Sabarkantha District of North Gujarat Region.** (Dr. Samir C Parikh), Department of Microbiology, Hemchandracharya North Gujarat University, Patan.

Veterinary Science

1. Vagh, Arshi Arjanbhai. **Ameliorative effect of medicinal herbs on gentamicin induced nephrotoxic rat model.** (Dr. R M Patel), Department of Veterinary Medicine, Navsari Agricultural University, Navsari.

BIOLOGICAL SCIENCES

✓ Biochemistry

1. Mourya, Vaishali. **Association mapping for protein content in soybean germplasm lines.** (Dr. Meeta Jain and Dr. Anita Rani), Department of Life Science, Devi Ahilya Vishwavidyalaya, Indore.

✓ Biotechnology

1. Tyagi, Divya Sudhir. **Study of RBC membrane proteomics in sickle cell homozygous patients in comparison to sickle cell carrier patients in Chhattisgarh.** (Dr. P K Patra), Department of Biotechnology, Sarguja Vishwavidyalaya, Ambikapur (C.G.).

✓ Botany

1. Gami, Atulkumar Haribhai. **Effect of dust fall of marble industries on vegetation in Danta Taluka, District Banaskantha, Gujarat.** (Dr. N K Patel), Department of Botany, Hemchandracharya North Gujarat University, Patan.

2. Saji, Asha. **Biodiversity and conservation of plumbago linn of Ranni Range, Pathanamthitta District, Kerala.** (Dr. V T Antony), Department of Botany, Mahatma Gandhi University, Kottayam.

3. Yanthan, J Sureni. **DNA-based phylogenetic analysis of carnivorous plant families in Meghalaya: Identification of adaptive and co-evolutionary patterns.** (Prof. Pramod

Tandon and Prof.Suman Khafri Kumaria), Department of Botany, North Eastern Hill University, Shillong.

4. Zala, Govindsinh Pravinsinh. **Ecological studies for sustenance of vegetation in Wild Ass Sanctuary.** (Dr. N K Patel), Department of Botany, Hemchandracharya North Gujarat University, Patan.

✓ Life Science

1. Agrawal, Jyoti. **Evaluation of possible adverse effects of some commonly used antidiabetic ayurvedic drugs and their major plant extracts with special reference to thyroid functions and lipid peroxidation.** (Dr. Anand Kar), Department of Life Science, Devi Ahilya Vishwavidyalaya, Indore.

2. Patel, Kinjal Dilipbhai. **Molecular signatures of cancer and their clinical significance.** (Dr. Prabhudas S Patel), Department of Life Science, Gujarat University, Ahmedabad.

3. Patel, Shrutiben Rameshbhai. **Clinical significance of interactions between vitamin-D and related molecular pathways in breast cancer.** (Dr. Prabhudas S Patel), Department of Life Science, Gujarat University, Ahmedabad.

✓ Marine Science

1. Bijoy, V M. **Efficacy of squilla silage incorporated aquafeeds in growth and survival of Rohu *Labeo rohita* (Hamilton, 1822) Mrigal *cirrhinus mrigala* (Hamilton, 1822) and giant freshwater prawn *Macrobrachium rosenbergii* (de Man, 1879).** (Dr. M Harikrishnan), Department of Marine Science, Cochin University of Science & Technology, Kochi.

2. Shyni, K. **Isolation characterization and applications of gelatin from doublespotted queenfish (*Scomberoides lysan*) and Malabar grouper (*Epinephelus malabaricus*).** (Dr George Ninan), Faculty of Marine Science, Cochin University of Science & Technology, Kochi.

✓ Zoology

1. Patel, Hareh Gandabhai. **Investigation of wetland birds with reference to some ecological aspects in Ahmedabad.** (Dr. Chirag Acharya), Department of Zoology, Hemchandracharya North Gujarat University, Patan.

2. Rangdal, Varsha Madhusudan. **Faunal diversity of fish from Bhima River flowing through Gulbarga District (Karnataka-India): A hydrobiological approach.** (Dr. Rao K R), Department of Zoology, Solapur University, Solapur.

3. Ronghang, Bhabesh. **Studies on the parasite spectrum of mithun, *Bos frontalis* Lambert and yak *B grunniens* Linnaeus in Northeast India.** (Dr. Bishnupada Roy), Department of Zoology, North Eastern Hill University, Shillong.

EARTH SYSTEM SCIENCES

Environmental Science

1. Barsainya, Manjari. **Role of secondary metabolites produced by stress tolerant rhizobacterium in mitigation of abiotic and biotic stresses.** (Prof. D P Singh), Department of