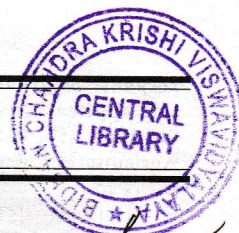


# THESES OF THE MONTH



## SCIENCE & TECHNOLOGY

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

Arjun  
Sat.

### AGRICULTURAL & VETERINARY SCIENCES

#### ✓ Agricultural Economics

1. Rudrapur, Shreeshaail. **Impact of micro irrigation systems on crop productivity and water use efficiency in Northern Karnataka: An economic analysis.** (Dr. S M Mundinamani), Department of Agricultural Economics, University of Agricultural Sciences, Dharwad.

#### ✓ Agricultural Extension

1. Gandroli, Vandana Arjun. **Effectiveness of Information Communication Technology in promotion of Sri method of paddy cultivation.** (Dr. J G Angadi), Department of Agricultural Extension and Education, University of Agricultural Sciences, Dharwad.

#### ✓ Biotechnology

1. Dash, Amit Kumar. **Development of improved parental lines of rice hybrids through utilization of Anther culture and molecular Marker Assisted Breeding (MAS) techniques.** (Dr. R N Rao and Dr. G J N Rao), Department of Biotechnology, Utkal University of Culture, Bhubaneswar.

2. Roy, Pritesh Sundar. **Morphological and molecular characterization of native short grain aromatic landraces of rice and their genetic enhancement.** (Dr. G J N Rao), Department of Biotechnology, Utkal University of Culture, Bhubaneswar.

#### ✓ Entomology

1. Abhilasha, C R. **Studies on the pest complex and integrated management of pod borer complex in pea (*Pisum sativum* L).** (Dr. Shekharappa), Department of Entomology, University of Agricultural Sciences, Dharwad.

2. Gadad, Hanamant S. **Role of gut bacteria on susceptibility of economically important lepidopteran pests to *Bacillus thuringiensis* subsp *kurstaki* berliner and synthetic insecticides.** (Dr. A S Vastrad), Department of Agricultural Entomology, University of Agricultural Sciences, Dharwad.

#### ✓ Food Science & Technology

1. Deshmukh, Priyadarshani Pramod. **Development and quality evaluation of little millet (*Panicum miliare*) sourdough and gluten free bread.** (Dr. Nirmala B Yeanagi), Department of Food Science & Nutrition, University of Agricultural Sciences, Dharwad.

#### ✓ Genetics & Plant Breeding

1. Handi, Suresh Sidramappa. **Association mapping for seed cotton yield, yield components and fiber quality traits in upland cotton (*G. hirsutum* L).** (Dr. I S Katageri), Department of Genetics & Plant Breeding, University of Agricultural Sciences, Dharwad.

2. Kiran, K K. **Development and evaluation of turcicum leaf blight resistant hybrids using newly developed inbred lines of maize (*Zea mays* L).** (Dr. G Shanthakumar), Department

of Genetics and Plant Breeding, University of Agricultural Sciences, Dharwad.

3. Sathisha, T N. **Genetic analysis and molecular characterization wheat genotypes for Nitrogen Use Efficiency (NUE).** Department of Genetics & Plant Breeding, University of Agricultural Sciences, Dharwad.

4. Veerasha. **Genetic analysis of quality and tolerance to drought and heat tolerance in bread wheat (*Triticum aestivum* L).** (Dr. V Rudra Naik), Department of Genetics & Plant Breeding, University of Agricultural Sciences, Dharwad.

5. Yamini, Deepthi S. **Mapping of Quantitative Trait Loci (QTLs) associated with salt tolerance in rice lines introgressed from *oryza rufipogon*.** (Dr. T Ram), Department of Genetics, Osmania University, Hyderabad.

#### ✓ Horticulture

1. Ganapathi, T. **Integrated nutrient management studies in banana cv grand naine (AAA).** (Dr. Dharmatti P R), Department of Horticulture, University of Agricultural Sciences, Dharwad.

#### ✓ Microbiology

1. Patra, Minakshi. **Microbial diversity analysis of tropical rice soils.** (Dr. Tapan Kumar Adhya), Department of Microbiology, Utkal University of Culture, Bhubaneswar.

#### ✓ Plant Pathology

1. Hulagappa. **Epidemiology, molecular characterization for resistance to turcicum leaf blight and integrated management of major foliar diseases in maize.** (Dr. V B Nargund), Department of Plant Pathology, University of Agricultural Sciences, Dharwad.

2. Muttanna, Revadi. **Studies on viral diseases of cucumber.** (Dr. M S Patil), Department of Plant Pathology, University of Agricultural Sciences, Dharwad.

#### ✓ Seed Science

1. Chandravathi, B. **Seed technological research on hybrid pigeon pea ICPH-2671.** (Dr. Gurumurthy R), Department of Seed Science and Technology, University of Agricultural Sciences, Dharwad.

2. Savitha, M G. **Performance of cereals economy in Karnataka.** (Dr. L B Kunnal), Department of Seed Science and Technology, University of Agricultural Sciences, Dharwad.

3. Tejagouda, Bhanuje. **Studies on age seedlings, fruit retention load, shoot and fruit borer control and seed invigoration techniques to enhance seed yield and quality in brinjal (*Solanum melongena* L).** (Dr. S D Raikar), Department of Seed Science and Technology, University of Agricultural Sciences, Dharwad.

#### ✓ Soil Science

1. Manasa, Vakada. **Studies on nano iron dynamics and**



response of groundnut (*Arachis hypogaea* L) to foliar and soil application of nano iron formulations in calcareous vertisols. (Dr. N S Hebsur), Department of Soil Science and Agricultural Chemistry, University of Agricultural Sciences, Dharwad.

## BIOLOGICAL SCIENCES

### Biotechnology

1. Acharya, Sefali. **Designing and testing efficient promoters for enhanced molecular farming of life saving therapeutics in plants.** (Dr. Narisingha Dey), Department of Biotechnology, Utkal University of Culture, Bhubaneswar.

### Botany

1. Kistamma, S. **Pharmacognostic evaluation of medicinal plant-cassia angustifolia vahl.** (Prof. C Venkateshwar), Department of Botany, Osmania University, Hyderabad.

2. Mohanty, Banani. **Studies on comparative morphology and different diseases of betel-vine (*Piper betle* L) grown in Puri District.** (Dr. Santosh Kumar Nayak and Prof. R C Mohanty), Department of Botany, Utkal University of Culture, Bhubaneswar.

3. Pani, Mamatabala. **Phytochemical and pharmacological potential of *nyctanthes arbor-tristis* L for malaria vector control.** (Dr. R K Sahu), Department of Botany, Utkal University of Culture, Bhubaneswar.

### Genetics

1. Ganguly, Debasmita. **Small molecule modifier of microRNA and role of RNA interference in search of new therapeutics for cancer.** (Dr. Manika Pal Bhadra and Prof. P B Kavi Kishor), Department of Genetics, Osmania University, Hyderabad.

### Zoology

1. Anitha, A. **Pyraclostrobin (20% WG) induced toxicity and biochemical aspects of freshwater fish *labeo rohita* (Hamilton).** (Dr. M Jagadish Naik), Department of Zoology, Acharya Nagarjuna University, Nagarjuna Nagar.

2. Leela Kumari, A. **Studies on the molecular diagnosis and bio-control measures of white- muscardine disease in Mulberry silkworm *bombyx mori* L.** (Prof. U Suryanarayana Murty), Department of Zoology, Osmania University, Hyderabad.

3. Meesala, Prathibha. **Cytology, molecular and immunohistochemistry studies in EGFR gene of NSCLC patients.** (Prof. K Rudrama Devi), Department of Zoology, Osmania University, Hyderabad.

4. Mishra, Surya Narayan. **Studies on the ecology and management of pulse beetle *callosobruchus chinensis* with bio-pesticides in green gram and black gram in storage conditions.** (Dr. B C Jena and Prof. B C Guru), Department of Zoology, Utkal University of Culture, Bhubaneswar.

5. Sahu, Smaranika. **Cellular redox status during development of *antheraea mylitta* under different physiological conditions.** (Prof. Jagneshwar Dandapat), Department of Zoology, Utkal University of Culture, Bhubaneswar.

## EARTH SYSTEM SCIENCES

### Environmental Science

1. Pattanaik, Swati. **Germination and growth potential of certain woody species in different environmental conditions of simlipal biosphere reserve.** (Prof. R C Mohanty

and Dr. R K Mishra), Department of Environmental Science, Utkal University of Culture, Bhubaneswar.

### Geology

1. Mishra, Subrat. **Geological and geochemical studies of manganese ore along Dalki Chormalda Sector of Bonai-Keonjhar Belt, Keonjhar District with special reference to its optimum utilisation.** (Prof. P P Singh and Dr. B K Mohapatra), Department of Geology, Utkal University of Culture, Bhubaneswar.

## ENGINEERING SCIENCES

### Chemical Engineering

1. Dora, D Tapas Kumar. **Hydrodynamic study of two and three-phase fluidized bed for homogeneous ternary mixture of regular and irregular particles.** (Prof. Yashobanta Kumar Mohanty and Dr. Bidhyapati Sarangi), Department of Chemical Engineering, Utkal University of Culture, Bhubaneswar.

2. Prabhu, M Venkatesh. **Studies on treatment of textile dye industries wastewater.** (Dr. R. Karthikeyan), Department of Chemical Engineering, SRM University, Kattankulathur, Chennai.

### Civil Engineering

1. Srivastava, Pradeep Kumar. **Integrated management of water resources in canal command in a part of Indo-Gangatic plains of Uttar Pradesh.** Department of Civil Engineering, Babu Banarasi Das University, Lucknow.

### Computer Science & Engineering

1. Arora, Nitika. **Integration of data warehouse with Ministry of Health.** Department of Computer Science, NIMS University, Jaipur.

2. Bisoi, Sunil Kumar. **Studies on object matching and detection of deformable shapes.** (Prof. Gayatri Devi and), Department of Computer Science, Utkal University of Culture, Bhubaneswar.

3. Chittineni, Aruna. **Metamorphic testing automation framework with novel algorithms for testing non-testable multi precision arithmetic and graph theory applications.** (Dr. R Siva Ram Prasad), Department of Computer Science & Engineering, Acharya Nagarjuna University, Nagarjuna Nagar.

4. Dhainje, Deepali Rajendra. **Novel approach for enhancing signature verification system using image steganography technique.** Department of Computer Science, NIMS University, Jaipur.

5. Manju. **Computational assisted designing and testing of drug candidates by self-organizing molecular field analysis approach using statistical measures: An application of cheminformatics.** Department of Computer Science, NIMS University, Jaipur.

6. Muthulakshmi, P. **Performance enhanced task scheduling algorithms for grid computing environment.** (Dr. D. I. George Amalarethinam), Department of Computer Science, SRM University, Kattankulathur, Chennai.

7. Sureja Niteshkumar Maganlal. **Nature inspired solutions for real time (Dynamic) problems.** Department of Computer Science & Engineering, NIMS University, Jaipur.

8. Tirumalasetty, Sudhir. **Discovery of frequent patterns using a preprocessing free algorithm amoeba.** (Dr. E Srinivasa Reddy), Department of Computer Science & Engineering, Acharya Nagarjuna University, Nagarjuna Nagar.

### Electrical & Electronics Engineering

1. Chandak, Ashok Shiodhan. **Vibration measurement for navigation control system using fiber optic gyroscope.** (Dr.