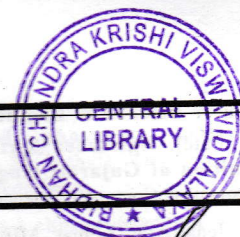


THESES OF THE MONTH



SCIENCE & TECHNOLOGY

A List of doctoral theses accepted by Indian Universities (Notifications received in AIU during the month of December, 2016)

BIOLOGICAL SCIENCES

✓ Botany

1. Srinivas, L. **Studies on algal diversity in lower Manair Dam, Karimnagar.** (Prof. P Manikya Reddy), Department of Botany, Osmania University, Hyderabad.

✓ Life Science

1. Garai, Sampurna. **Manipulation of siroheme biosynthesis pathway for enhanced nitrogen use efficiency in arabidopsis thaliana.** (Prof. Baishnab C Tripathi), School of Life Sciences, Jawaharlal Nehru University, New Delhi.

Marine Science

1. Bindu, K R. **Chemodynamics of heavy metals in Cochin estuary and its adjacent coast.** (Dr. N Chandramohanakumar), Department of Chemical Oceanography, Cochin University of Science & Technology, Kochi.

2. Byju, K. **Chemistry and bioactivity of natural products from the Gorgonian Coral Subergorgia Reticulata.** (Dr. N Chandramohanakumar), Department of Chemical Oceanography, Cochin University of Science & Technology, Kochi.

3. Ozhukayil, Josekutty J. **Dynamics and fractionation of heavy metals in the upper reaches of Muvattupuzha: A tropical River.** (Dr. N Chandramohanakumar), Department of Chemical Oceanography, Cochin University of Science & Technology, Kochi.

4. Shah, Phiros. **Study on upwelling and downwelling along the West Coast of India: Relative roles of local versus remote forcing.** (Dr. R Sanjeev), Department of Physical Oceanography, Cochin University of Science & Technology, Kochi.

5. Subin, C S. **Stress responsive gene bioprospecting studies from extremophilic and extremotolerant microalgae: Characterization and functional validation of genes involved in acid salt and thermal stress.** (Dr. K K Vijayan), Department of Marine Sciences, Cochin University of Science & Technology, Kochi.

✓ Zoology

1. Challa, Tulsi Masthanamma. **Certain studies on celluler and humoral immunity of crab, barytelphusa Guerini (H Milne Edwards, 1853) challenged with E Coli and S Aureus.** (Prof. P Nagaraja Rao), Department of Zoology, Osmania University, Hyderabad.

2. Hetal, Vinitbhai Movaliya. **Role of synthetic drugs and plant extracts on epimorphic regeneratngs system of house lizard, hemidactylus flaviviridis.** (Dr. A V R L Narsimhacharya), Department of Zoology, Sardar Patel University, Anand.

3. Reddy, B Rajkiran. **Effect of leaf extract of carica**

papaya as anti-inflammatory and neuroprotectant against sodium fluoride (NaF) induced degeneration in developing brain of rat. (Prof. K Pratap Reddy), Department of Zoology, Osmania University, Hyderabad.

4. Subhashini, Ch Saritha. **Studies on the bacterial pathogen caused biotic stress and the related biochemical changes in scylla serrata forsskal, 1775 (CI: Malacostraca; Ord: Decapoda).** (Prof. P Nagaraja Rao), Department of Zoology, Osmania University, Hyderabad.

EARTH SYSTEM SCIENCES

✓ Environmental Science

1. Prasanth, K M. **Soil and water quality as influenced by land use in Koratty, Kerala.** (Dr. Thomas P Thomas and Dr. S Sankar), Kerala Forest Research Institute, Cochin University of Science & Technology, Kochi.

2. Ravindran, Bindia. **Adsorption isotherm studies on activated carbon prepared by activation with cerium compounds.** (Dr. V Sivanandan), School of Environmental Studies, Cochin University of Science & Technology, Kochi.

3. Sreejesh, K K. **Carbon sequestration potential of teak plantations of Kerala.** (Dr. Thomas P Thomas), Kerala Forest Research Institute, Cochin University of Science & Technology, Kochi.

ENGINEERING SCIENCES

Chemical Engineering

1. Prabhu, M Venkatesh. **Studies on treatment of textile dye industries wastewater.** (Dr.R.Karthikeyan), Department of Chemical Engineering, Sardar Patel University, Anand.

Civil Engineering

1. Bera, Dillip Kumar. **Influence of nano fly ash and nano slag on the properties of cement paste, mortar and concrete.** (Dr. A.K. Rath and Dr. S.K.S. Parashar), Department of Civil Engineering, KIIT University, Bhubaneswar.

2. Reddy, Bhanu Prakasham. **An experimental study on the effect of converging boundary on non-uniform flow through porous media.** (Dr. Krishnaiah and Dr. M Ramakrishna Reddy), Department of Civil Engineering, Jawaharlal Nehru Technological University Anantapur, Ananthapuramu.

3. Sreenivasulu, M. **Experimental evaluation of sulphate limits in mixing water for cement mortar.** (Dr. C Sashidhar), Department of Civil Engineering, Jawaharlal Nehru Technological University Anantapur, Ananthapuramu.

4. Subbaramaiah, G. **Strength and durability studies on wood waste ash structural grade concrete.** (Prof. H Sudarsana Rao), Department of Civil Engineering, Jawaharlal Nehru Technological University Anantapur, Ananthapuramu.