

BDU FINAL REPORT

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9TH NOV TO 15TH NOV 2022

Day 1:- 09/11/2022

At 9 am the program started with the registrations process of candidates and also distributions of stationary to the participants. Then program has been started with national song followed by inauguration by key guest honours. Analysis of metals in environmental samples using AAS Dr. R.Rajaram Associate Professor, Department of Marine Science, Bharathidasan University, Trichy. FROM 11 to 1 PM and in the afternoon session from 2 TO 6 PM Sample preparation and analysis using AAS Dr. R. Rajaram, Associate Professor, Department of Marine Science, Bharathidasan University, Trichy

Day 2:- 10/11/2022

In the morning 9 to 11 AM Biomarkers in Environmental pollutants and Carcinogenic risk assessments Dr. R. Mohanraj Professor, Dept. of Environmental Science and Management, Bharathidasan University, Trichy & and from 11 to 1 PM Carbon sequestration Estimation- OTC Dr. R. Mohanraj Professor, Dept. of Environmental Science and Management, Bharathidasan University, Trichy. In the afternoon session from 2 to 4 PM Sample preparation and Analysis using HPLC Dr. R. Mohanraj, Professor & Research Team Dept. of Environmental Science and Management, Bharathidasan University, Trichy Open Top Chamber experimentation Dr. R. Mohanraj, Professor & Research Team Dept. of Environmental Science and Management, Bharathidasan University, Trichy from 4 TO 6 PM

Day 3:- 11/11/2022

In the morning 9 to 11 AM Natural Products Against Cancer Dr. K. Pandimadevi Associate Professor, Dept. of Biotechnology, Alagappa University, Karaikudi Instrumentation and Demonstration- GCMS Dr. M. Prashanthi Devi & Research Team Associate Professor, Department of Environmental Science and Management, Bharathidasan University, Trichy from 11 to 1 PM. Sample analysis using GCMS Dr. B. Vijayakumar Department of Environmental Biotechnology Bharathidasan University, Trichy From 2 TO 6 PM.

Day 4:- 12/11/2022

In the morning 9 to 11 PM Membrane Technology for Environmental monitoring and separation of organic and inorganic contaminants Dr. G. Arthaanreeswaran Professor, Department of Chemical Engineering National Institute of Technology, Tiruchirappalli & mRNA isolation / cDNA construction of marine samples Dr. S. Rajakumar, Assistant Professor, Department of Marine Biotechnology Bharathidasan University, Trichy from 11 to 1 PM . In the afternoon session mRNA isolation / cDNA construction of marine samples Dr. R.V. Meenakshi & Research Team Department of Environmental Biotechnology Bharathidasan University, Trichy from 2 to 6 PM.

Day 5:- 13/11/2022

In the morning 9 to 11 AM Reproductive toxicity and toxicogenomics Dr. S. Achiraman Associate Professor, Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli & Expression Studies using RT PCR Dr. S. Achiraman Associate Professor, Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli from from 11 to 1 PM. In the afternoon Expression Studies using RT PCR - Laboratory Analysis Dr. S. Achiraman Department of Environmental Biotechnology Bharathidasan University, Trichy from 2 to 6 PM.

Day 6:- 14/11/2022

In the morning 9 to 11 AM Genotoxicity: An overview on mechanisms and methods Dr. K. Premkumar Professor and Head, Department of Biomedical Science Bharathidasan University, Tiruchirappalli & **PCR** for Environmental Health Applications Dr. K. Thamaraiselvi and Team Professor and Head, Department of Environmental Biotechnology Bharathidasan University, Tiruchirappalli. PCR for Environmental Health Applications Dr. K. Thamaraiselvi and Team Professor and Head, Department of Environmental Biotechnology Bharathidasan University, Tiruchirappalli from 2 to 6 PM.

Day 7:- 15/11/2022

In the morning 9 to 11 AM Quality Control Analysis for Environmental samples Dr. R.Arthur James, Professor and Head, Dept. of Marine Science, Bharathidasan University, Trichy & Hydroponic and Aquaponic Systems- Contamination free alternative cultivation Dr. P. Santhanam Associate Professor, Dept. of Marine Science, Bharathidasan University, Trichy from 11 to 1 PM . At the last day of the program it has been ended with Valedictory & Feedback Session.