A Five-Day Online Workshop on "BIOREMEDIATION: PHOTO & ELECTROCHEMICAL BIOREACTORS"

OCTOBER 25-29, 2021

About NIT Andhra Pradesh
National Institute of Technology Andhra Pradesh is the 31st institution among the chain of NITs started by the Government of India. NIT Andhra Pradesh was established in the state of Andhra Pradesh in the year 2015. The institute offers B.Tech., M.Tech., M.S. (by Research), and Ph.D. programmes in various engineering disciplines.

About the Department
The Department of Biotechnology, NIT Andhra Pradesh offers B.Tech., M.Tech., MS (by Research), and Ph.D. (full-time/part-time) programmes. The research interests of faculty members include Pre and Probiotics, Microbial Biotechnology, Bio-nanotechnology, Bio-Engineering, Modelling and Simulation of Bioprocesses, Bioinformatics and Computational Biology, Microalgae & Plant Biotechnology, Biopolymers & Bioplastics, Environmental Biotechnology, Drug Delivery and Phytopharmacology.

PLENARY LECTURES
(10.30-12.15 HOURS)

- Waste fed biorefineries (Bioelectrochemical systems): Overview
  Dr. S. Venkata Mohan
  Senior Principal Scientist, CSIR-ICT, Hyderabad

- Process specific Bioreactor design and development
  Dr. Jitendra Singh Verma
  Scientist, CSIR-NEIST, Jorhat

Photobioreactors for biofuels: Improving productivity
Prof. G.K. Suraishkumar
Indian Institute of Technology Madras

Biofuel and Biorefinery- Value added products
Dr. J. Rajesh Banu
Central University of Tamilnadu Thiruvanmiyur

Microalgal technology: Economical Sustainable solutions
Prof. M. Premalatha
National Institute of Technology Tiruchirappalli

About the Workshop
This Five-day workshop aims to bring the faculty members, researchers and students working on bioremediation, microalgae cultivation, and bioelectrochemical systems with biorefinery engineering to impart advanced knowledge and will cover the following core areas:
- Photosynthetic bioelectrochemical systems
- Design and modelling of bioreactors
- Biofuels from microalgae
- Biohydrogen production
- Microbial fuel cells (MFC)
- Production of platform chemicals through chemical and biochemical route.

LABORATORY SESSIONS
(14.00-16.00 HOURS)

BIOELECTROCHEMICAL SYSTEMS

BIOREACTOR AND SCALING UP

PHOTO-BIOREACTOR

SIMULATION OF BIO/ PHOTO-BIOREACTOR

INTEGRATION OF PHOTO-BIOREACTOR-MICROBIAL FUEL CELLS

ELIGIBILITY AND REGISTRATION
Registration is open to Faculty Members, R&D Scientists, Industry Professionals, PhD Scholars and UG/PG students but limited to 100 participants.
Registration fee - Rs.400/- & Last date for registration: 15th October, 2021
Participants will be intimated by 20th October 2021. E-certificates will be issued only to the participants who attend all the sessions.
Details for registration and fee payment are given in the below link.
Participants are requested to fill the form in the given link: https://forms.gle/Kswh6Z6eT4gheDkNA

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