GREEN MEET - 2022

(Green Management of the Environment using Eco-friendly Technology-2022)

International Seminar

Organized by

Department of Ecological Studies and ICEE
& Department of Food and Nutrition

University of Kalyani, WB, India
"A" Grade Accredited by NAAC

In collaboration with

Internal Quality Assurance Cell &
Webinar and Scientific Lecture Series Committee

Date: June 06, 2022 Time:10:00 am - 5:00 pm(IST) [Indian Standard Time (IST) is 5:30 hours ahead of Coordinated Universal Time] **Conference mode: Hybrid (Offline & Online)**

Introduction

Environmental pollution and its consequences in deterioration of the total environment is a severe problem and challenge to the environmentalist across the globe. Indiscriminate pollution tremendously impacts on functional and structural properties of the ecosystem which perturbing the homoeostasis and sustainability of the total environment. In the recent years, the green environmental management technology playing a pivotal role for restoration and conservation of the Planet Earth. This seminar is an effort to bring all concerned researchers on a common platform to share advanced knowledge, concepts, ideas and innovations on the following themes.

Conference themes

Environmental pollution
Climate change and environmental health
Ecological engineering
Environmental engineering
Sustainable agriculture
Sustainable animal husbandry
Sustainable aquaculture & fishery
Green technology
Green energy
Environmental chemistry
Waste management & circular economy
Biotechnology & Microbiology
Food contamination, health & diseases
Pollution remediation
Sustainable development

Call for Paper

Abstracts are to be submitted to e-mail: iceeecolsem@gmail.com. Abstract should contain clear title, name(s) of author, affiliation and main body (300 words) of abstract with clear objectives, materials and methods, results and discussion, and conclusion. Please follow the style of attached abstract for format.

Venue

Offline - Vidyasagar Sabhagriha, University of Kalyani.
Online -Google meet/zoom

Participants

Students, researchers, scientists, engineers and associated fellows from Universities and Institutes and different government and nongovernment organizations.

Important Dates and Deadlines

Abstract submission deadline	: May 29, 2022
Notification of acceptance	: May 30, 2022
Registration deadline	: June 01, 2022

Registration and Fees

Online registration link: **https://tinyurl.com/ICEFN-REG-KU**
Within India: Rs. 500/-
Outside India: US$ 20.00 (only online participation)

Mode of Payment

Electronic fund transfer: Name of bank: Bank of India, Branch: University of Kalyani; IFSC code: BKID0004121; Account Name: UNIVERSITY OF KALYANI GENERAL FUND; Account No.: 412110210000001; Branch code: 4121 (Proof of bank transfer should be sent to e-mail: iceeecolsem@gmail.com.

Events

Keynote lecture, Plenary lecture, oral and poster presentations

Awards

Certificate to all registered authors and co-authors of presented paper with soft copy of abstract book
Certificate to best oral and poster presenters
Participant certificate to all registered participants

Contact

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Biofuels wastes biomass as potential biosorbents for environmental bioremediation

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ABSTRACT

The intensification of human activities has increased the environmental pollution problems, due to the accumulation of harmful pollutants, such as heavy metals. From this perspective, the development of economical and eco-friendly method that can be used in various situations for to reduce the heavy metals pollution of environment is a required condition for sustainable development. The utilization of biosorption for the removal of heavy metals from aqueous media has gained credibility in the last years, because offers and efficient and cost-alternative compared to conventional bioremediation techniques. The good efficiency, minimization of secondary (chemical or biological) wastes are only several important advantages of biosorption, that have proven to be adequate for removal of heavy metals in high volume of aqueous solution, with relatively low metal ions concentration. However, the cost of the biosorbents is the most important factor in view of the applicability of the biosorption process in environment bioremediation, at large scale. In this chapter, the potential use of a new class of low-cost materials, namely biofules wastes biomass in biosorption processes of various heavy metals from aqueous solution, is presented. A detailed description of factors that influenced the biosorption process is outlined, along with new updates on biosorption process modeling and some recent advanced in mechanism elucidation. The experimental results have indicated that the biofules wastes biomass have potential to become effective and economical biosorbents for environmental bioremediation contaminated with heavy metals.

Keywords: Biofuels wastes, Biomass, Biosorbents, Bioremediation, Heavy metals