

ENVIRONMENTAL BIOTECHNOLOGY: RECENT ADVANCES



Theme:

Environmental pollution has become a major global concern due to rapid growth of industrialization, urbanization, modern agricultural development, energy generation which have exploited natural resources for fulfilling the human desires and needs, resulted in disturbing the ecological balance on which the quality of environment depends. Technological innovations and advancements in products and processes in industries have given rise to new products and new pollutants in abundant level which are above the self cleaning capacity of the environment. It is the Industrial revolution that gave birth to environmental pollution. Pollution is introduction of contaminants in the environment that causes instability, disorder, harm and discomfort to the ecosystem.

Waste generated during extraction of raw materials, processing of raw materials into intermediates and final products, consumption of final products and other human activities. The disposal of waste is and will continue to be an environmental problem unless a proper treatment is adapted.

The present treatment technique involves physico-chemical and biological methods, are not efficient and/or effective to treat the contaminants to acceptable level. Therefore, Bioremediation/ Phytoremediation technology using the micro-organisms or plants to reduce, eliminate or transfer contaminants present in soil, sediment or water would be effective/efficient and cost-effective green technology.

Aim: The seminar aims to highlight the Advances in Environmental Biotechnology with special reference to Bioremediation and Phytoremediation.

Topics: - A faculty of repute will be invited to deliver talks on

1. Environmental Pollution- A Global environmental concern
2. The Industrial Waste Treatment Technology
3. Bioremediation Technology-Recent Advances
4. Phytoremediation- A Green Revolution Technology

Participation: -Teachers/Research students, Post-graduate/Under-graduate students are invited from University Departments, Colleges affiliated to University of Mumbai, other research organizations, academic institutes and industry. There is no registration fee. Participants are requested to duly fill in the registration forms and send it to the coordinator, Prof. M.H.Fulekar Department of Life Sciences, University of Mumbai.

Poster Presentation: - There will be a poster presentation. The posters are invited on the above theme. The three posters will be selected on merit and awarded prize.

Date & Venue: - 20th December, 2010 (9:00 am - 5:00 pm).Pheroza Shah Mehta Bhavan, University of Mumbai.

REGISTRATION FORM

Name: _____

Designation: _____

Institution: _____

Mailing Address: _____

City/Town: _____

Pincode: _____

Tel. No: _____

Mobile No: _____

E-mail id: _____

(i) I intend to attend the seminar

(ii) And present the poster (Yes/No)

Date:

Signature:

Coordinator and contact person

Dr M.H.Fulekar

Professor & Coordinator (UGC-SAP)

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UNIVERSITY OF MUMBAI

Department of Life Sciences

Organizes



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Under

UGC-SAP Project