



ISO 9001:2015 Certified



Workshop on **Bioreactor**

Date : 14th November 2019

Organized by
Faculty of Science

**Kelana Jaya Learning Site
Lincoln University College, Malaysia**



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Lincoln University College, Malaysia

Speaker Profile

Dr. Debajyoti Bose

Professor & Head of the Department of Biological Sciences
Yobe State University, Damaturu, Yobe State, Nigeria



Dr. Debajyoti after getting his Bachelor degree in Microbiology, completed Masters in Microbiology. He was awarded PhD in Biotechnology/Applied Microbiology area from Food technology & Biochemical Engineering Department, Jadavpur University, India. Coordinated M.Sc. Industrial Microbiology & M.Sc. Biotechnology programs since 2011(June) to 2012 (December) for Amity Institute of Biotechnology, Amity University Rajasthan. He has coordinated more than 50 students of PG level in a span of 1.5 years. Also acted as faculty In-charge for Research Laboratory & Microbial Culture maintenance in Amity Institute of Biotechnology, Amity University Rajasthan, Jaipur, India. Presently acting as Head of the Department of Biological Sciences in Yobe State University, Nigeria. Have an additional experience in handling University National Commission accreditation work efficiently.

He has filed patent on "Production of Bio-alcohol utilizing Jackfruit wastes" in the year 2012. Authored 9 books and authored more than 30 International publications in reputed journals.

Bioreactor

Bioreactor can be described as a vessel which has provision of cell cultivation under sterile condition & control of environmental conditions e.g., pH, temperature, dissolved oxygen, etc. It can be used for the cultivation of microbial plant or animal cells. This process can either be aerobic or anaerobic. The bioreactors are commonly cylindrical, ranging in size from litres to cubic metres, and are often made of stainless steel.

APPLICATIONS

- ▣ Abioreactor may also refer to a device or system meant to grow cells or tissues in the context of cell culture. These devices are being developed for use in tissue engineering.
- ▣ Ethanol fermentation is done by *saccharomyces cerevisiae* in bioreactor.
- ▣ Organic acids e.g. acetic acid and butyric acid formed in bioreactor by the *Eubacterium limosum*.
- ▣ Thienamycin an antibiotic also produced in bioreactor.
- ▣ Glucomylase is produced by *Auerobasidium pullulans* in bioreactor.



Date: 14th Nov 2019, Thursday

Time: 9-1pm

Venue: Room 1, Level 3, Kelana Jaya Learning Site, No.2, Jalan Stadium SS7/15, Kelana Jaya, 47301 Petaling Jaya, Selangor, Malaysia.

Registration Fee :

**RM 100, including refreshment (Tea break) and
Certificate of Participation**

PROGRAMME SCHEDULE

8:00am - 09:00am	REGISTRATION
09:00am - 9:15am	WELCOME ADDRESS BY PROF.DR.KOSHY PHILIP (DEAN OF FACULTY OF SCIENCE)
09:15am - 10:15am	BIOREACTOR DESIGN AND ITS APPLICATIONS
10:15am - 10:45am	TEA BREAK
10:45am - 12:45pm	PRACTICAL SESSION
12:45pm - 1.00pm	VOTE OF THANKS

Contact :

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REGISTRATION FORM

Title (Prof./Assoc.Prof./Dr./Mr./Ms.) _____

Full Name _____

Passport/NRIC No. _____

Institution/Organisation _____

Address 1. _____

Address 2. _____

City _____ Post Code _____

State _____ Country _____

Mobile / Telephone No. _____

E-mail Address _____

Vegetarian/Non Vegetarian _____

Signature

Payment Details

Bank Details :

A/c Name : ASIA PACIFIC HIGHER LEARNING SDN. BHD.

Bank : CIMB BANK BERHAD

Account No : 80-0814364-9

Branch Name : TAMAN TUN DR. ISMAIL