

IN PARTNERSHIP WITH



Transforming Ideas into Reality



UMS

UNIVERSITI MALAYSIA SABAH

Faculty of Engineering
Universiti Malaysia Sabah (UMS)

TWO DAYS INTENSIVE WORKSHOP

I N D U S T R I A L

ENZYME

ENGINEERING & TECHNOLOGY

23 - 24 MAY 2016 | UNIVERSITI MALAYSIA SABAH (UMS), KOTA KINABALU, SABAH

OVERVIEW

An obvious growth of awareness concerning green technology and sustainability in Malaysia decennially. Hence, the Government of Malaysia is encouraging the relative stakeholders to work together to achieve a better country.

Process industries, and policy making bodies invariably have to come across with Enzyme related jobs in the near future. Therefore, to well manipulate of their skills in Enzyme Engineering, we are organising a professional development workshop in Enzyme Engineering and Technology.

COURSE OBJECTIVE

This two days intensive workshop will presented by a bio-enzyme professor. The speaker will provide hand-on experience on solving enzymatic problems such as enzyme kinetics, performance of bioreactor and analytical application of immobilized enzyme.



“ ENZYMES — BUILDING BLOCKS OF ENERGY ”

TOPICS COVERED

- ✓ Enzyme Technology Challenges
- ✓ Design of Enzyme Reactors
- ✓ Thermodynamics of Enzymes
- ✓ Mass Transfer and Biochemical Reaction in Immobilized Enzyme Reactor
- ✓ Analytical Applications of Immobilized Enzyme
- ✓ Performance of Enzyme Reactors
- ✓ Free and Immobilized Enzyme Kinetics
- ✓ Troubleshooting & Enzymatic Problems
- ✓ Green Technology Industry
- ✓ Problem Solving & Hands On Experience

PARTICIPANTS RECEIVE

- ✓ Course Materials
- ✓ Individual Professional Development (IPD) Points
- ✓ Certificate of Participation
- ✓ Breakfast, Hi-Tea, Luncheon

WHO SHOULD ATTEND?
Academia, Researchers, Policy
makers & Students

EXCLUSIVE SPEAKER
PROF. DR. POGAKU RAVINDRA

Venue

Energy Research Unit, Floor 4, Faculty of Engineering,
Universiti Malaysia Sabah,
Kota Kinabalu, Sabah

Date and Time

Daily lectures from 8.00 a.m. - 5.00 p.m.
23 May 2016 (Monday) to 24 May 2016 (Tuesday)

Applications and Cancellations

Registration forms can be found on the website:
www.fkj.ums.edu.my/fkjportal.
Confirmation will be sent on receipt of an application form.

Registration close on **10th May 2016**.

Cancellations must be received one week before the commencement of the course, or the full fee will be charged.

Contact Info

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“ ENZYMES — BUILDING BLOCKS OF ENERGY ”

ITINERARY PROGRAM

DAY 1 (23rd May 2016, MONDAY)

Opening Ceremony

- 8.00 am : Registration of participants/
Breakfast
- 8.30 am : Arrival of Prof. Ir. Dr. Rosalam
Hj. Sabartly (Dean, Faculty of
Engineering) & Welcoming
Speech
- 9.00 am : “Thermodynamics of Enzymes”
- 10.30 am : Tea Break
- 10.45 am : “Free and Immobilized Enzyme
Kinetics”
- 12.45 pm : Luncheon
- 02.00 pm : “Mass Transfer and Biochemical
Reaction in Immobilized
Enzyme Reactor”
- 03.30 pm : Tea-Time
- 03.45 pm : ‘Design of Enzyme Reactors’
- 05.30 pm : End of Day 1

DAY 2 (24th May 2016, TUESDAY)

- 8.00 am : Registration of participants/
Breakfast
- 8.30 am : “Performance of Enzyme
Reactors”
- 10.00 am : “Troubleshooting & Enzymatic
Problems”
- 11.30 am : “Analytical Applications of
Immobilized Enzyme ”
- 12.30 am : “Enzyme Technology
Challenges”
- 01.30 pm : Luncheon
- 02.00 pm : “Green Technology Industry”
- 03.00 pm : Memorandum Of
Understanding (MOU) by
“UMS-YAMMAR”
- 05.00 pm : End of program

