



The Institution of Engineers, Malaysia

Bangunan Injenieur, Lots 60/62, Jalan 52/4, Peti Surat 223, 46720 Petaling Jaya, Selangor

Tel: 03-7968 4001/2 Fax: 03-7957 7678 E-mail: sec@iem.org.my

Website: www.myiem.org.my

Talk on “BIO-COSMETICS PROCESS AND SAFETY ASPECTS”

(Organized by Chemical Engineering Technical Division)

BEM Approved CPD/PDP Hours: 2

Ref. No.: IEM12/HQ/081/T

Date: 19 May 2012 (Saturday)
Time: 10.00 a.m. – 12.00 noon
(Refreshments will be served at 9.30 a.m.)
Venue: C&S Lecture Room, 2nd Floor, Wisma IEM, PJ
Speaker: Dr Zanariah bt Ujang

SYNOPSIS

The Chemical Engineering Technical Division (CETD) is planning to organize a talk on Bio-Cosmetics Product Development – From R & D to Market. The talk shall include topics such as extraction, bioactivity studies, safety and toxicology evaluations, product development and efficacy study. The speaker will be sharing her experiences in developing cosmetics products utilizing natural active ingredients sourced from local ginger species from bench scale to commercialization.

BIODATA OF SPEAKER

Dr Zanariah bt Ujang is currently the Head of Marketing & Sales for The Research & Technology Development Division of SIRIM Berhad. She is responsible for marketing and new business development in the areas of industrial biotechnology, renewable energy, environmental technology and advanced materials. She graduated with a B Sc in Chemical Engineering from The University of Toledo, Ohio in 1984 and later obtained her M Sc in Process Engineering in 1994 and PhD in Chemical & Process Engineering in 1998 from The University of Strathclyde UK. After graduating from her PhD study, Dr Zanariah was appointed as a Principal Researcher at the Chemical and Industrial Biotechnology Center of SIRIM Berhad. She was responsible for setting up the cosmeceutical R & D program in SIRIM Berhad and has more than 15 years research experience in the field of industrial biotechnology and natural product development. Among her research interests and areas of expertise are in:

- Biocatalysis – developing enzymatic processes for the production of fine and specialty chemicals
- Biopolymers – developing natural polymers for wound management application
- Bioactives – developing natural based active ingredients for cosmetic and topical therapeutic application
- Nano lipid delivery systems for bioactive compounds

Dr Zanariah and her fellow colleagues are currently setting up a GMP medical device pilot plant facilities in SIRIM campus in Sepang. The medical device plant will be producing a range of wound management products from water soluble chitosan and its derivatives.

Dr Zanariah has written scientific and technical publications in the local and international circle. She has filed for more than 7 patents related to her research field. She has successfully commercialized a range of skin lightening cosmeceutical products utilizing local ginger species as the natural active ingredient in the product.

ANNOUNCEMENTS

- Talk is **STRICTLY** for IEM members only (pre-registration/ online registration is **NOT** required).
- Telephone and/or fax reservation will **NOT** be entertained.
- Limited seats available on a “first come first served” basis (maximum 110 participants).
- IEM members are required to produce your membership cards for confirmation of attendance (CPD purpose).
- Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.

IEM members who fail to produce their membership cards will be charged a fee of RM20.00.

FUNDS FOR IEM BUILDING FUND (WISMA IEM)

- Please be informed that IEM will be charging participants RM10.00 administrative fee for talks organized by IEM. Students are however exempted.
- The fee would be used for overhead costs, building maintenance expenses as well as to support the purchase of the new building.
- All contributions will be deeply appreciated by IEM. Your understanding is greatly appreciated.

CPD HOURS CONFIRMATION

Name:

M' ship No.:

Signature:

Date: **19 May 2012**

Ir. Assoc. Prof. Dr. Thomas Choong Shean Yaw
Chairman
Chemical Engineering Technical Division, IEM