

# BOOK OF PROGRAMME

## 4<sup>TH</sup> INTERNATIONAL POSTGRADUATE CONFERENCE ON BIOTECHNOLOGY

*in alliance with the*

## 1<sup>ST</sup> SATREPS-COSMOS INTERNATIONAL SYMPOSIUM

**THEME** SYMBIOSIS-SCIENCE AND TECHNOLOGY  
FOR SUSTAINABLE ENVIRONMENT  
AND SOCIETAL WELL-BEING

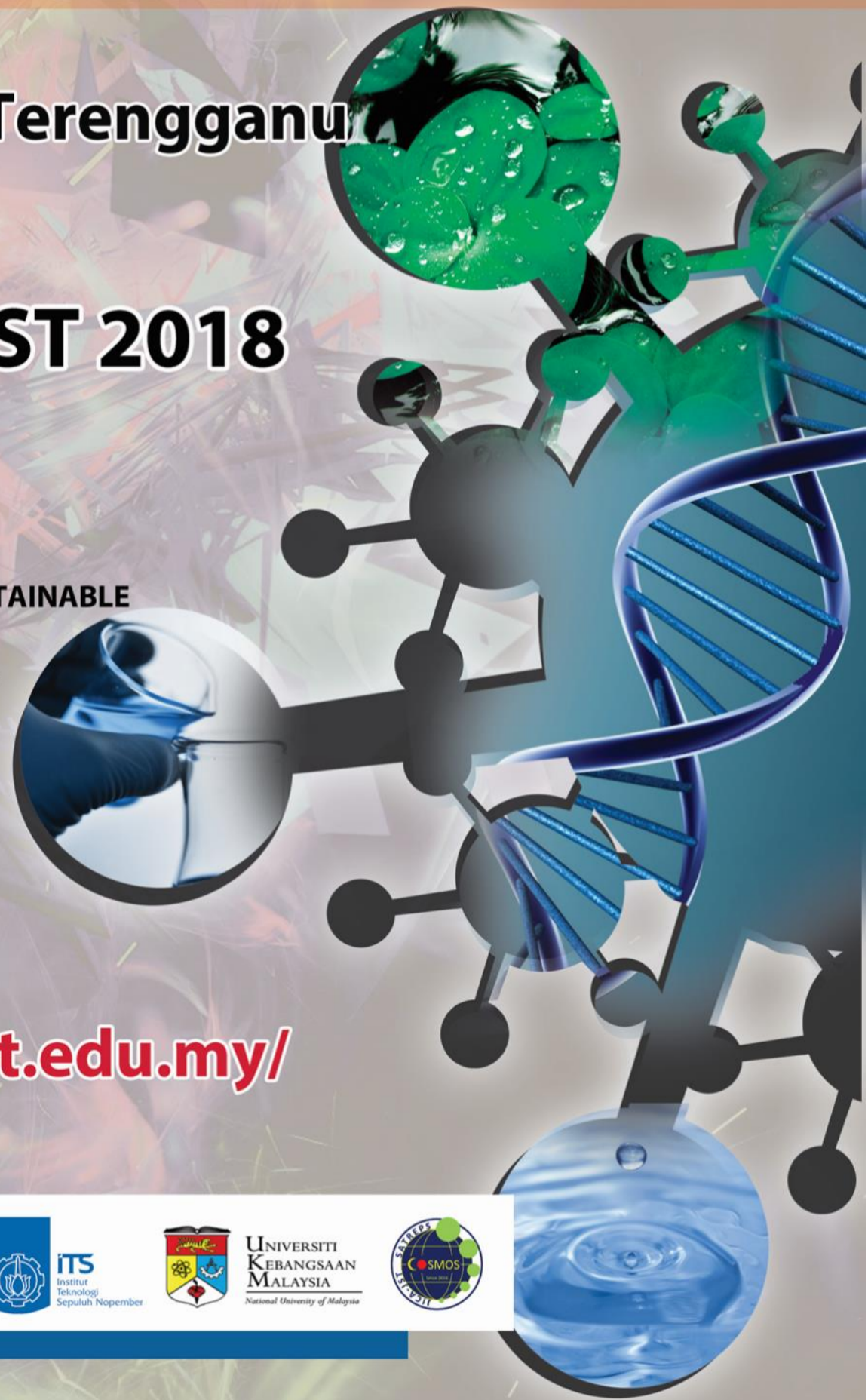
**VENUE** Universiti Malaysia Terengganu  
MALAYSIA

**27<sup>th</sup> - 29<sup>th</sup> AUGUST 2018**

### ORGANIZED BY:

- INSTITUTE OF MARINE BIOTECHNOLOGY,  
UNIVERSITI MALAYSIA TERENGGANU, MALAYSIA
- FACULTY OF SCIENCE AND ENGINEERING FOR SUSTAINABLE  
INNOVATION, SOKA UNIVERSITY, JAPAN
- DEPARTMENT OF ENVIRONMENTAL ENGINEERING,  
INSTITUT TEKNOLOGI SEPULUH NOPEMBER,  
INDONESIA
- INSTITUTE OF BIOSCIENCE/DEPARTMENT OF  
AQUACULTURE, UNIVERSITI PUTRA MALAYSIA,  
MALAYSIA
- FACULTY OF ENGINEERING AND BUILT  
ENVIRONMENT  
UNIVERSITI KEBANGSAAN MALAYSIA,  
MALAYSIA

 <http://ipcb2018.umt.edu.my/>



## THEME

Symbiosis-science and technology for sustainable environment and societal well-being

## ORGANIZER

Institute of Marine Biotechnology, Universiti Malaysia Terengganu

## CO-ORGANIZER

- Faculty of Science and Engineering for Sustainable Innovation, Soka University, Japan
- Department of Environmental Engineering, Institut Teknologi Sepuluh Nopember, Indonesia
- Institute of Bioscience /Department of Aquaculture, Universiti Putra Malaysia, Malaysia
- Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia, Malaysia

## INTRODUCTION

The framework of IPCB was initially developed to strengthen research collaboration with the next-generation of researchers as part of a wider effort to continuously maintain and develop bilateral cooperation among ASEAN countries. Concerted efforts are needed from various bodies regarding cross-border education, human resource and research development. Students attending this conference would be able to share among peers their diverse multicultural backgrounds which could promote and enhance research cooperation among these regions. Via this conference, findings from research conducted from different parts of the world can be viewed to secure our resources on a sustainable manner.

Biotechnology can unlock the potential of the environment's biodiversity; leading to new knowledge, improved industrial competitiveness. Fundamental to delivering such impacts is the imperative to continue to generate and build upon knowledge from all levels of marine and related areas of scientific research that would be achieved by the symposium – IPCB.

The biggest asset of the future research communities is none other than the present postgraduates. Managing human resource development for technologically advanced economies is a substantial challenge. Thus, symposiums such as IPCB can be directed as an ideal platform in disseminating information among future scientist under the guidance of prominent present scientists across regions by addressing specific issues of the national contexts as part of a wider globalized society.

## OBJECTIVES

- To provide relevant platform for idea sharing, knowledge and technology transfer among the participants across continent
- To create close professional relationships between academics and scientists and also graduate students from various relevant fields
- To embark emerging opportunities and issues in the biotechnology based industry
- To create opportunities especially for ASEAN region researchers and postgraduate students on research and collaboration linkages nationally and internationally

## SUB-THEMES

### A. Natural resources and biotechnology

Keywords: fisheries, aquaculture, terrestrial and aquatic plants, algae, microorganisms, pharmaceutical, nutraceuticals, genomics, proteomics, natural products, mass-culturing technology

### B. Renewable energy and biological waste treatment

Keywords: bioenergy, solid waste and wastewater treatments, pollution control technologies (air, water, and soil), bioreactors, recalcitrant treatment, phytotechnology

### C. Ecosystem studies and restoration ecology

Keywords: harmful organisms, climate change, pollution, biodiversity, ecosystem processes, ecosystem modeling, bioremediation, carbon sequestration

## KEYNOTE AND PLENARY SPEAKERS

KEYNOTE SPEAKER DAY 1 : Prof. Datuk Dr. Asma Ismail (Universiti Sains Malaysia)

KEYNOTE SPEAKER DAY 2 : Prof. Hendrik Heijnis (Australian Nuclear Science and Technology Organization)

## PLENARY SESSION

### (NATURAL RESOURCES AND BIOTECHNOLOGY)

SPEAKER 1 : Prof. Dr. Tg. Sifzizul Tg Muhammad (Malaysia)

SPEAKER 2 : Dr. Mitsugu Watanabe (Japan)

SPEAKER 3 : Prof. Dr. Elin Yulinah Sukandar (Indonesia)

## PLENARY SESSION

### (RENEWABLE ENERGY AND BIOLOGICAL WASTE TREATMENT)

SPEAKER 1 : Prof. Dr. Kiyohiko Nakasaki (Japan)

SPEAKER 2 : Assoc. Prof. Dr. Wanna Choorit (Thailand)

SPEAKER 3 : Prof. Dr. Japar Sidik Bujang (Malaysia)

## PLENARY SESSION

### (ECOSYSTEM STUDIES AND RESTORATION ECOLOGY)

SPEAKER 1 : Dr. Sandric Leong Chee Yew (Singapore)

SPEAKER 2 : Emeritus Prof. Dr. Noor Azhar Mohamed Shazili (Malaysia)

SPEAKER 3 : Prof. Dr. Mohd Zamri Bin Ibrahim (Malaysia)

## CONFERENCE WORKSHOP

Date : 29th August 2018

The main objective of the workshop is to improve the ability of participants in writing publishable research manuscripts, presenting and pitching an idea.

The presenters for this workshop:

1. Prof. Dr. Victor Kuwahara (Japan)
2. Prof. Dato. Dr. Mohamed Shariff Mohamed Din (Malaysia)
3. Prof. Dr. Mohd Effendy B. Abd Wahid (Malaysia)

## IPCB 2018 PROGRAMME TENTATIVE

Time	DAY 1 (27/8/2018)				Time	DAY 2 (28/8/2018)			Time	DAY 3 (29/8/2018)
0800-0830	Registration				0800-0900	Registration			0800-0900	Registration
0830-0845	Welcoming remarks by UMT's Vice Chancellor				0900-0940	Keynote speech II Prof. Dr. Hendrik Heijnis Australian Nuclear Science and Technology Organisation Australia			0900-1200	Workshop 1 Prof. Dr. Mohd. Effendy B. Abd Wahid (UMT, Malaysia)
0845-0855	Welcoming remarks by President of Soka University					Room A: Natural resource & aquatic biotechnology	Room B: Renewable energy & biological waste treatment	Room C: Ecosystem studies and restoration ecology		Workshop 2 Prof. Dato' Dr. Mohamed Shariff Mohamed Din (UPM, Malaysia)
0855-0905	Welcoming remarks by Rector of Institut Teknologi Sepuluh Nopember				0940-1200	Invited speaker				Workshop 3 Prof. Dr. Victor Kuwahara (Soka University, Japan)
0905-0915	Greeting by Japan International Cooperation Agency Mr. Shinsaku Fukazawa					Prof. Dr. Tg Sifzizul Tg. Muhammad (UMT, Malaysia)	Prof. Dr. Kiyohiko Nakasaki (Tokyo Inst. Of Technology, Japan)	Dr. Sandric Leong Chee Yew (National University of Singapore)		
0915-0930	Greeting by Japan Science and Technology Prof. Dr. Shuichi Asanuma					Parallel Presentations	Parallel Presentations	Parallel Presentations		
0930-1010	Keynote Speech I Prof. Datuk Dr. Asma Ismail Universiti Sains Malaysia, Malaysia				1200-1300	Lunch break				
1010-1015	Photograph session				1300-1400	Poster session				
1015-1030	Coffee break/ Press Conference				1400-1700	Invited speaker				
1030-1045	SATREPS-COSMOS Project Overview Prof. Tatsuki Toda (Soka University, Japan) Prof. Fatimah Yusof (UPM, Malaysia)					Dr. Mitsugu Watanabe (WOL, Co. Ltd., Japan)	Assoc. Prof. Dr. Wanna Choorit (Walailak University, Thailand)	Prof. Dr. Japar Sidik Bujang (UPM, Malaysia)		
1045-1200	Presentation by Senior Scientist of COSMOS					Parallel Presentations	Parallel Presentations	Parallel Presentations		
1200-1300	Lunch break				1400-1700	Closing ceremony - Announcement of best oral and poster presentation - Dinner - Student exchange activity				
1300-1400	Poster session					1800-2000				
1400-1700	Room A: Natural resource & aquatic biotechnology	Room B: Renewable energy & biological waste treatment	Room C: Ecosystem studies and restoration ecology	1400-1600 Project Comments Meeting (COSMOS Senior Scientist)						
	Invited speaker			1630-1730 2018 JCC Meeting						
	Prof. Dr. Elin Yulinah Sukandar (Institut Teknologi Bandung Indonesia)	Prof. Dr. Mohd Zamri Ibrahim (TATIUC, Malaysia)	Emeritus Prof. Dr. Noor Azhar Mohamed Shazili (UMT, Malaysia)		Parallel Presentations	Parallel Presentations	Parallel Presentations			
1930-2130	Dinner (By invitation)									

### AWARDS

1. IPCB 2018 BEST ORAL PRESENTATION AWARD
2. IPCB 2018 BEST POSTER PRESENTATION AWARD
3. WATANABE OYSTER LABORATORY SCIENCE AWARD

### INSTRUCTION FOR AUTHOR

#### Oral Presentation

Each speaker shall be given 20 minutes (including Q&A session) for oral presentation using Microsoft Power Point.

#### Poster Presentation

Each poster shall be printed on A0 size (84.1 × 118.9 cm) and present his/her poster at provided display panel.

\*\*Please visit the website for further elaborated instructions.

Please submit your abstracts through this email ([ipcb2018.register@gmail.com](mailto:ipcb2018.register@gmail.com)).

### CONTACT PERSON

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### REGISTRATION FEES

EARLY BIRD	:	RM 250.00
REGULAR REGISTRATION	:	RM 350.00
ACADEMICIANS	:	RM 400.00
CORPORATE/ NON ACADEMICIANS	:	RM 1000.00

### IMPORTANT DATES

Date	Activity
15 Dec 2017 (Fri)	Website release
15 Jan 2018 (Mon)	First announcement (Registration open)
15 Mac 2018 (Thu)	Second announcement (for Early-bird registration)
15 April 2018 (Thu)	Early-bird registration and abstract submission
15 May 2018 (Tue)	Deadline for regular abstract submission
15 JUNE 2018	EXTENSION: Deadline for regular abstract submission
6 June 2018 (Mon)	Notification of abstract acceptance to presenters
1 August (Wed)	Deadline of registration fee
27-29 August (Mon-Wed)	Conference

PLEASE VISIT OUR SITE FOR FURTHER INFORMATION  
<http://ipcb2018.umt.edu.my/>