

# Conference Program

## iCAST 2017 CONFERENCE SCHEDULE

Day 1 (8 <sup>TH</sup> August 2017)		
Time	Activity	Venue
8.00 – 9.00 am	<b>Registration</b>	Main Auditorium
8.30 am	Arrival of Invited Guests	
9.00 am	Recitation of Doa by Br. Nor Zaihan bin Mohd Noar	
9.10 am	<b>Welcoming speech</b> of the Organizing Chairman by Asst. Prof. Dr. Maizatul Akma bt Ibrahim	
9.30 am	Photography Session	Main Auditorium
	Tea Break	WACKOS
	Poster Presentation	Kulliyyah Lobby
9.35 am	<b>Keynote Address</b> The Global Status of GM Crops and Current Status in Malaysia Dr. Mahaletchumy Arujanan <i>Executive Director, Malaysia Biotechnology Information Centre (MABIC)</i>	Main Auditorium
10.30 am	<b>Plenary Talk 1</b> Produce More Rice with Less Inputs: Scientific Explanation	

	Prof. Dr. Ir. Iswandi Anas <i>Senior Professor, Bogor Agricultural University (IPB)</i>	Main Auditorium
11.00 am	<b>Plenary Talk 2</b> Effect of Land/Soil Properties on Palm Growth Dr. Paramananthan a/l Selliah <i>Managing Director, Param Agricultural Soil Survey (M) Sdn Bhd</i>	
11.30 am	<b>Plenary Talk 3</b> The Application of Genomics to Oil Palm Breeding Dr. David Ross Appleton <i>Head of Biotechnology and Breeding, Sime Darby Research Sdn Bhd</i>	
12.00 pm	Lunch	WACKOS
2.00 – 4.00 pm	<b>Session 1</b> Potential Technology and Product Chairman: Prof. Mohd Nor bin Omar	Kulliyyah Board Meeting Room
4.00 – 4.30 pm	Tea Break	WACKOS
	Poster Presentation	Kulliyyah Lobby

Day 2 (9 <sup>TH</sup> August 2017)		
Time	Activity	Venue
8.00 – 8.30 am	Arrival of Invited Guests	Main Auditorium
8.30 – 9.00 am	Singing the national anthem <i>Negaraku</i> and IIUM song <i>Leading The Way</i> . Recitation of Al-Quran by Dr. Muhammad Salihi bin Abdul Hadi	

9.00 – 9.30 am	<b>Launching of 6th International Conference on the Advancement in Science and Technology (iCAST 2017)</b> By Prof Dato' Dr. Tariq bin Abdul Razak (Kuantan Campus Director, IIUM)	
9.10 am	<b>Welcoming speech</b> of the Organizing Chairman by Asst. Prof. Dr. Maizatul Akma bt Ibrahim	
9.30 – 10.00 am	Tea Break	WACKOS
	Poster Presentation	Kulliyyah Lobby
10.00 – 10.30 am	<b>Plenary Talk 1</b> Significance of Biodiversity Conservation to Sustainable Development Prof. Emeritus Dato' Abdul Latiff Mohamad <i>Professor Emeritus, Universiti Kebangsaan Malaysia</i>	Main Auditorium
10.30 – 12.00 pm	<b>Session 2</b> Soil, Water and environment <i>Chairman: Prof Dr. Ahmed Jalal Khan Chowdhury</i>	Kulliyyah Board Meeting Room
12.00 – 2.00 pm	Lunch	WACKOS
2.00 – 4.00 pm	<b>Session 3</b> Biodiversity and Plant Improvement <i>Chairman : Dr. Zaima Azira bt Zainal Abidin</i>	Kulliyyah Board Meeting Room
4.00 – 5.00 pm	Closing and Award Giving Ceremony (Oral & Poster)	
5.00 – 5.30 pm	Tea Break	WACKOS

## INVITED SPEAKERS



**Prof. Emeritus Dato' Dr. Abdul Latiff Mohamad**  
*Universiti Kebangsaan Malaysia*



**Prof. Dr. Ir. Iswandi Anas**  
*Bogor Agricultural University (IPB), Indonesia*



**Dr. David Ross Appleton**  
*Sime Darby, Kuala Lumpur*



**Dr. Paramanathan a/l Selliah**  
*Param Agricultural Soil Surveys (M) Sdn Bhd*



**Dr. Mahaletchumy Arujanan**  
*Malaysian Biotechnology Information Centre (MABIC)*

## LIST OF ORAL PRESENTATIONS

Day 1 (8<sup>th</sup> August 2017)

SESSION I (2.00 – 4.00 pm)

Venue: KBM Meeting Room

Potential Technology and Product (8 participants)

Chairman: Prof. Mohd Nor bin Omar

Number	Time	Participants	Title
O-01	2.00-2.15pm	Siti Narbiha bt Mat Jusoh	Antioxidant Potential of <i>Ampelocissus cinnamomea</i> (Wall. Ex.M.A.Lawson) Planch. (Vitaceae) Crude and Partitioned Extracts
O-02	2.15-2.30pm	Israa Ali Mahmud	Optimisation of polyphenolic compounds extraction from Barhi date palm kernels using response surface methodology (RSM).
O-03	2.30-2.45pm	Fiona How Ni Foong	Antimicrobial Activities of Metal-Natural Extract Complexes
O-04	2.45-3.00pm	Fatin Nabilah Murad	Optimization of arsenic removal using immobilized carbon nanotubes with <i>A.niger</i> biomass

O-05	3.00-3.15pm	Sonia Hadj Arab	Production of Cross-linked Enzyme Amylase From Coco Pod Husk for detergent Application
O-06	3.15-3.30pm	Lindayani	Supplementation of sucrose in culture medium towards bacteriocin production of lactic acid bacteria isolated from ampel bamboo shoot ( <i>Bambusa vulgaris</i> ) pickle
O-07	3.30-3.45pm	Deny Susanti	Identification and Detection of Bioactive Compounds in <i>Linum usitatissimum</i> and Its Antibacterial Properties against Selected Oral Pathogens
O-08	3.45-4.00pm	Nurul Ashikin Binti Abdul Bari	Phenolic content and antioxidant activity of methanolic extracts of different parts of <i>Anisophyllea disticha</i>

**Day 2 (9<sup>th</sup> August 2017)**

**SESSION 2 (10.30 – 12.00pm) & SESSION 3 (2.00 – 4.00pm)**

Venue : KBM Meeting Room

Soil, Water and environment (6 participants)Chairman: Prof Dr. Ahmed Jalal Khan Chowdhury			
<b>Number</b>	<b>Time</b>	<b>Participants</b>	<b>Title</b>
O-09	10.30-10.45am	Ahmad Fathi bin Mohd Salleh	Nutrients Dynamics and Trophic Status of Lake Kenyir.
O-10	10.45-11.00am	Khairul Muttaqin bin Ismail	Cannibalistic Behaviour of Sutchi Catfish ( <i>Pangasianodon hypophthalmus</i> ) Larvae under Different Light Conditions.
O-11	11.00-11.15am	Nurfatin Nazirah Binti Hamzah	Antioxidant activity and phenolic profile of four Saudi Arabia date palms ( <i>Phoenix dactylifera</i> L.) varieties
O-12	11.15-11.30am	Maya Dehimi	Application of Plackett-Burman factorial design to improve the production of alkaline proteases from marine bacteria

O-13	11.30-11.45am	Mohd Haikal Izzuddin Bin Mohd Azam	Temporal Nutrients Dynamics And Trophic State Of Kuantan River, Malaysia
O-14	11.45-12.00pm	Aidee Kamal bin Khamis	Mussel and clam shells: An alternative for CaCo <sub>3</sub> to reduce soil acidity
Biodiversity and Plant Improvement (7 participants)Chairman : Dr. Zaima Azira bt Zainal Abidin			
<b>Number</b>	<b>Time</b>	<b>Participants</b>	<b>Title</b>
O-15	2.00-2.15pm	Mohd Syahmi bin Salleh	Effects of seed priming on seedling vigor of rice ( <i>Oryza sativa</i> L.) under abiotic stress
O-16	2.15-2.30pm	Sarahani Harun	Reconstruction of glucosinolate biosynthetic pathway in several plants
O-17	2.30-2.45pm	Zarina Zainuddin	Plant Breeding Strategies for varietal development of <i>Stevia rebaudina</i> (Bertoni)
O-18	2.45-3.00pm	Dwi Susanto	Study of Genetic Diversity of Java Tea ( <i>Orthosiphon stamineus</i> Benth.) Using Random Amplified Polymorphic DNAs Primers
O-19	3.00-3.15pm	Nadira Nazua Rusmadi	Comparative Study of Root Anatomical Character of <i>Ficus carica</i> L. between Different Planting Medium
O-20	3.15-3.30pm	Ibrahim Shogar	Appreciation of biodiversity in Qur'anic account: An investigation on ecological maintenance
O-21	3.30-3.45pm	Muhammad Syufihuddin Shamsuddin	Potting media influence on root development of fig ( <i>Ficus carica</i> L.)

### LIST OF PARTICIPANT (POSTER PRESENTATION)

Poster No.	Participants	Poster Title
P01	Farah Farisha Binti Mustafa	Identification of phenolic compounds in crude methanolic extract of <i>Piper sarmentosum</i> leaves
P02	Khairul Farihan Kasim	Impact of commercial cellulase enzyme on the quality of <i>Clinachantanus nutantsextract</i>
P03	Nurul Hidayah binti Samsulrizal	Comparative genimocs of cell wall remodelling genes in fleshy fruit species and the control of fruit softening in tomato
P04	Che Nurul Aini Binti Che Amri	Morphology of Trichomes in Staurogyne Wall. (Acanthaceae) from Peninsular Malaysia
P05	Nor Hafizah Zakaria	Determination of Total Protein Content of Vegetable Soybean: A Comparison of Accessions Grown Under Different Soil Types
P06	Mohd Razik bin Midin	Phylogenetic relationship and nuclear DNA content analyses of <i>Garcinia mangostana</i> L. and several Garcinia species.
P07	Syafiqah Nabilah Samsul Bahari	Vegetative propagation of Chromalaena odorata through stem cutting
P08	Mohd Shahril Firdaus bin Ab Razak	Introgression of Bacterial Leaf Blight (BLB) Resistant Gene into Malaysian Commercial Rice Variety using Marker Assisted Breeding Technology
P09	Muhammad Shahrain bin Shuhaimen	Extraction of Halal Protease from <i>Anacardium Occidentale</i> (Cashew) using Response Surface Methodology
P10	Maizatul Akma Ibrahim	A review on virgin coconut oil and health benefits



P11	Md Abdur Rahman		
P12	Zaima Azira Zainal Abidin	Endophytic bacteria from <i>Anysophyllea disticha</i> (Raja Berangkat)	
P13	Rozilawati Shahari		
P14	Nur Hafizah Azizan	Study of cucumber mosaic virus gene expression in <i>Capsicum annum</i> .	
P15	Nor Zaihan Mohd Noar	Using Structural Equation Modelling (SEM) Methods in estimating the Contributing Factors of Agriculture Investment Knowledge and Future Perspective in Malaysia.	