

70<sup>th</sup> Conference  
**Scientific Federation**

Proceedings in  
**SciFed Biotech & Bioengineering Journal**



# Final Scientific Program

3rd International Congress and Expo on

# **Biotechnology and Bioengineering**

June 25-26, 2018 at Kuala Lumpur, Malaysia

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## **Scientific Federation**

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## Day 1 June 25, 2018

### Function Room 7

08:30-09:30 Registrations

09:30-09:35 Introduction

09:35-10:00 Opening Ceremony

### Plenary Forum

10:00-10:50 **Title: Nano engineered plasma polymer films for biomedical applications**  
Krasimir Vasilev, University of South Australia, Australia

### Keynote Forum

10:50-11:20 **Title: How can we improve regulation and achieve the promise of new breeding technologies for crop improvement?**  
Michael G. K. Jones, Murdoch University, Australia

### Networking & Refreshments Break 11:20-11:35 @ Foyer

11:35-12:05 **Title: Prediction and prenosological diagnostics of internal diseases based on energy characteristics of acupuncture points and fuzzy logic**  
Riad Taha Al-Kasasbeh, Al-Balqa University, Jordan

12:05-12:35 **Title: Quaternary alloy nanostructures-based biosensor for Dengue detection**  
Yarub Al-Douri, University of Malaya, Malaysia

**Sessions: Pharmaceutical Biotechnology | Cancer Biotechnology | Microbial Technology | Plant Biotechnology | Industrial Biotechnology | Medical Biotechnology | Agricultural Biotechnology**

**Session Chair: Minoo Divakaran, Providence Women's College, India**

12:35-13:05 **Title: Establishment of a Monoclonal Cell-Based Reporter Assay for Screening of Hypoxia-Inducible Factor Activities**  
Sien-Yei Liew, Universiti Putra Malaysia, Malaysia

### Group Photo

### Lunch Break 13:05-14:00 @ Temptations Restaurant

14:00-14:20 **Title: *In vitro* assessment of drug cytotoxicity against colorectal cancer cells in normal versus high glucose conditions**  
Lau Meng Fei, University of Malaya, Malaysia

14:20-14:40 **Title: Transgenic Hematopoietic Stem Cells Against Cancer by help of FACs**  
Alireza Pirahmadian, University of Malaya, Malaysia

14:40-15:00 **Title: Microbial conversion of flavonols and cinnamaldehyde derivatives and their mechanisms**  
Shunichi Miyakoshi, National Institute of Technology, Japan

15:00-15:20 **Title: Biotechnological approaches for combating climate change and solving crop-specific problems in Vanilla**  
Minoo Divakaran, Providence Women's College, India

15:20-15:40 **Title: Biotechnological tools for *in vitro* multiplication, conservation and genetic fidelity analysis of an important vulnerable medicinal plant *Celastrus paniculatus* Willd**  
Saranya Babu Jayaprakash CM, Malabar Botanical Garden and Institute for Plant Sciences, India

15:40-16:00 **Title: Formulation of a probiotic fermented milk beverage fortified with dry figs**  
Farida Bendali, University of Bejaia, Algeria

### Networking & Refreshments Break 16:00-16:15 @ Foyer

16:15-16:35 **Title: Interference of HCV replication by cell penetrable human monoclonal scFv specific to NS5B polymerase**  
Kanyarat Thueng-in, Suranaree University of Technology, Thailand

16:35-16:55 **Title: Progress in mapping and cloning the genes for resistance to root-knot nematodes in Upland cotton**  
Peng W Chee, Universiti of Georgia, USA

16:55-17:15 **Title: A Biologically Inspired Estimator to Predict Infarction Volume in Acute Ischemic Strokes.**  
Uvais Qidwai, Qatar University, Qatar

17:15-17:35 **Title: Development of Novel Optical Bio-sensing Technologies for Detection of Mycotoxins**  
Alexei Nabok, Sheffield Hallam University, UK

### 19:00-20:00 Cocktails @ Poolside

## Day 2 June 26, 2018

### Function Room 7

#### Plenary Forum

- 10:00-10:50 **Title: A new replication-defective, vaccinia-derived, CHO-manufactured, vaccine vector system (SCV) is effective in preclinical studies of Zika and chikungunya virus infections**  
John D. Hayball, University of South Australia, Australia

#### Keynote Forum

- 10:50-11:20 **Title: Assessment of the condition and effectiveness of treatment of patients suffering from genital herpes on the electrical resistance of biologically active points**  
Riad Taha Al-Kasasbeh, Al-Balqa University, Jordan

#### Networking & Refreshments Break 11:20-11:35 @ Foyer

- 11:35-12:05 **Title: Seizures Prediction in refractory epileptic patients by EEG signal Processing:Progresses and Challenges**  
Antonio Dourado, University of Coimbra, Portugal

**Sessions: Microbial Technology | Pharmaceutical Biotechnology | Medical Biotechnology | Applied Biotechnology | Bioenergetics | Current Scenario in Biotechnology | Marine, aquatic & ocean Biotechnology**

**Session Chair: Peng W Chee, Universiti of Georgia, USA**

- 12:05-12:25 **Title: Metabolomic and enzymatic studies of methylcitric acid cycle in microorganisms**  
Shunichi Miyakoshi, National Institute of Technology, Japan

- 12:25-12:45 **Title: Chemogenomics driven discovery of endogenous polyketide anti-infective drugs from endosymbiotic fungi**

H.C. Yashavantha Rao, University of Mysore, India

- 12:45-13:05 **Title: Biodiscovery of antimicrobial drugs from endophytic actinomycetes pertaining to global drug resistant crisis**  
Soma Mondal, University of Mysore, India

#### Lunch Break 13:05-14:00 @ Temptations Restaurant

- 14:00-14:20 **Title: Hematopoietic Natural Killer cells against cancer tumor cells by comparative results of Flow Cytometry and FACs**

Alireza Pirahmadian, University of Malaya, Malaysia

- 14:20-14:40 **Title: Microalgae as feed stock for biodiesel Production**

Mostafa El-Sheekh, Tanta University, Egypt

- 14:40-15:00 **Title: Investigation of antibacterial activity against Methicillin resistant Staphylococcus Aureus(MRSA) and selected Pharmacological properties of Panchawalkala:An Ayurvedic Formulation**

Tarinija Gopalakrishnan, Horizon Campus, Srilanka

- 15:00-15:20 **Title: A multidrug-resistant Escherichia coli strain, PGB01, harboring class 1 integron-linked trimethoprim-resistance gene, thermally fit to survive at high temperature**

Arvind Kumar, Jawaharlal Nehru University, India

- 15:20-15:40 **Title: Oncolytic activity of Newcastle disease virus strain AF2240 and V4-UPM in**

Osteosarcomacell under the influence of different microenvironment settings

Nurdaqman Nashreq Kosni, Universiti Putra Malaysia, Malaysia

- 15:40-16:00 **Title: Effects of sub-lethal exposure to malachite green on red tilapia (Oreochromis hybrid)**

Kwan Penz Penz, Institute of Bioscience, Malaysia

#### Networking & Refreshments Break 16:00-16:15 @ Foyer

#### Certificate Felicitation @ Closing Ceremony

# Bookmark Your Dates

4th International Congress & Expo On

## Biotechnology and Genetic Engineering

September 24-25, 2018 at Madrid, Spain

5th International Congress & Expo On

## Biotechnology and Bioengineering

June 17-18, 2019 London, UK

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