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1059<sup>th</sup> Conference

*Scientific Program*

# 15<sup>th</sup> Asia-Pacific Biotechnology Congress

July 20-22, 2017 Melbourne, Australia



**Hosting Organization: Conference Series**

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## Day 1 July 20, 2017

09:00-09:30 Registrations

Hampton Room

**conferenceseries.com** 09:30-09:45 **Opening Ceremony**

### Keynote Forum

**09:45-10:45** Title: **Genetic engineering of tobacco plants by expressing arsenic responsive genes of *Lysinibacillus sphaericus* and *Arabidopsis thaliana* for removal of arsenics from the contaminated lands**  
Abul Mandal, University of Skovde, Sweden

Group Photo & Coffee Break: 10:45-11:00 @ Pre Conference Area

Sessions:

Advancements in Biotechnology | Agriculture Biotechnology | Animal Biotechnology | Environmental Biotechnology | Food Biotechnology | Industrial and Microbial Biotechnology | Marine Biotechnology | Nanobiotechnology

Session Introduction

**Session Chair: Jessica D Rey**, University of the Philippines Diliman, Philippines

**11:00 - 11:30** Title: **Uptake and translocation of bio-based polymer in plant tissue**  
Khawaja Hossain, Mayville State University, USA

**11:30 - 12:00** Title: **Quantitative identification of species and GM ingredients in food**  
Tingting Deng, Chinese academy of Inspection and Quarantine, China

**12:00 - 12:30** Title: **Cholesterol uptake in mammalian cells supplemented with edible bird nest (EBN) extract**  
Mokrish Ajat, Universiti Putra Malaysia, Malaysia

**12:30 - 13:00** Title: **Why pregnant women do not adherent to iron/folate supplementation? A cross-sectional study**  
Soraya Siabani, Kermanshah University of Medical Sciences, Iran

Lunch Break: 13:00-14:00 @ Grill 3182 Restaurant

**14:00-14:30** Title: **Molecular characteristics of Aradi goats with prediction equation of growth pattern**  
A M Alseaf, Qassim University, Saudi Arabia

**14:30-15:00** Title: **Assessment of seed dispersal through metagenomic analysis of the DNA-barcoded fruit-bat species diet in the tropical lowland forest of Palanan, Isabela**  
Jessica D Rey, University of the Philippines Diliman, Philippines

**15:00-15:30** Title: **A review of rise of modern pharmaceutical biotechnology in antibiotic drug discovery and development from natural sources and future implications**  
Daniel Mavu, University of Namibia, Namibia

Coffee Break: 15:30-15:45 @ Pre Conference Area

**15:45-16:15** Title: **Comparative and functional metagenomic analyses of goat rumen microbiota**  
Naser Aliye Feto, Vaal University of Technology, South Africa

**16:15-16:45** Title: **Biosynthetic regulation of production of Antroquinonol from submerged mycelial fermentation of *Antrodia camphorate*: A mechanistic study**  
Peter Cheung, The Chinese University of Hong Kong, Hong Kong

Panel Discussion

## Day 2 July 21, 2017

Hampton Room

### Keynote Forum

**09:30-10:30** Title: **Targeting human IL-17 receptor by ABD-derived protein binders as a non-immunoglobulin alternative for modulation of Th-17-dependent pro-inflammatory response**  
Petr Maly, BIOCEV Research Center, Czech Republic

Sessions:

Plant Biotechnology | Medical Biotechnology | Pharmaceutical Biotechnology | Bioengineering & Biotechnology | Bioproducts & BioEnergy | Bioinformatics | Biotech Industry

Session Introduction

**Session Chair: Abul Mandal**, University of Skövde, Sweden

**10:30-11:00** Title: **Histopathology criteria suggesting microsatellite instability in colorectal cancer in Iranian patients**  
Soraya Siabani, Kermanshah University of Medical Sciences, Iran

Coffee Break: 11:00-11:15 @ Pre Conference Area

- 11:15-11:45 **Title: Effect of green manure crops treatments on the soil conditions and corn yield production**  
**Kang Bo Shim**, National Institute of Crop Science, South Korea
- 11:45-12:15 **Title: Expressions of pathological markers in PRP based chondrogenic differentiation of human adipose derived stem cells**  
**Arezou Pakfar**, Science and Research Branch of Islamic Azad University, Iran
- 12:15-12:45 **Title: Novel biotechnology for all-female prawn aquaculture by a single injection of hypertrophied androgenic gland cells**  
**Tom Levy**, Ben-Gurion University, Israel

Lunch Break: 12:45-13:45 @ Grill 3182 Restaurant

#### Poster Presentations

- BTC-01** **Title: Mining of loss-of-function alleles on starch synthesis gene *TaSSIVb-D* by TILLING and characterization of their effects in wheat**  
**Huijun Guo**, Chinese Academy of Agricultural Sciences, China
- BTC-02** **Title: Studies on catalase activity in different Indian potato cultivars (*Solanum tuberosum* L.)**  
**Gurpreet Kaur**, Thapar University, India
- BTC-03** **Title: Integrating photocell sensors and associative memory machine learning model for blood leakage detection during dialysis therapy: Animal experiment**  
**Ping-Tzan Huang**, National Tsing Hua University, Taiwan
- BTC-04** **Title: Transcriptional regulation of leucine-rich repeats and WD repeat domain containing 1 (*LRWD1*) by microRNA under reactive oxygen species**  
**Teng Yen-Ni**, National University of Tainan, Taiwan
- BTC-05** **Title: Sortase A inhibitory activities of aaptamines from the tropical sponge *Aaptos aaptos***  
**Heegyu Kim**, Seoul National University, South Korea
- BTC-06** **Title: *Spatholobus suberectus* metabolites inhibit sortase A and sortase A-mediated cell aggregation of Gram-positive bacteria**  
**Beomkoo Chung**, Seoul National University, South Korea
- BTC-07** **Title: Inhibitory effects of *Sophora japonica* metabolites on saliva-induced aggregation of *Streptococcus mutans* mediated by sortase A**  
**Eunji Cho**, Seoul National University, South Korea
- BTC-08** **Title: Method for extraction of high molecular weight quality metagenomic DNA from oil contaminated soil**  
**Cindy Baburam**, Vaal University of Technology, South Africa
- BTC-09** **Title: Dynamic wrist imaging using non-gated 4D computed tomographic scanning**  
**Shian-Chao Tay**, Singapore General Hospital, Singapore

Awards & Closing Ceremony

Day 3 July 22, 2017

Networking & Lunch

## Next in Series

World Congress on

# Biotechnology and Bioeconomy

August 22-23, 2018 Tokyo, Japan

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