Scientific Program

2nd International Conference on
Plant Science & Physiology
June 26-27, 2017  Bangkok, Thailand
### Keynote Forum

**09:30-10:15**

**Title:** Understanding plant diversity and physiology for resilient production systems and environmental benefits  
**M Anowarul Islam,** University of Wyoming, USA

**10:15-11:00**

**Title:** Bacterial spot (*Xanthomonas cucurbitae*): An emerging disease of cucurbits  
**Mohammad Babadoost,** University of Illinois, USA

### Group Photo

Networking and Refreshments Break: 11:00-11:20 @ PUBLIC Restaurant 1st Floor

**11:20-12:05**

**Title:** Molecular characterization, epidemiology and integrated management of Papaya Ringspot Virus (PRSV) in Papaya (*Carica papaya L.*)  
**Nagaraju N,** University of Agricultural Sciences, India

Sessions:
- Plant Physiology
- Plant Disease and Plant Pathogens
- Plant and Agricultural Biotechnology
- Traditional Medicine

### Session Introduction

**Session Chair:** M Anowarul Islam, University of Wyoming, USA  
**Session Co-chair:** Rajeev Taggar, Green World Genetics Sdn Bhd, Malaysia

**12:05-12:40**

**Title:** The application of plant biotechnology in seed industry in the developing countries  
**Rajeev Taggar,** Green World Genetics Sdn Bhd, Malaysia

**12:40-13:15**

**Title:** Ethno-medicinal plant diversity of Bangladesh – Their conservation status at the botanical garden of Bangladesh Agricultural University  
**A K M Golam Sarwar,** Bangladesh Agricultural University, Bangladesh

Lunch Break: 13:15-14:15 @ PUBLIC Restaurant 1st Floor

**14:15-14:50**

**Title:** Contribution of crops production for food security in Indonesia  
**Yusuf L Henuk,** University of Sumatera Utara, Indonesia

**14:50-15:25**

**Title:** How wheat (*Triticum aestivum L.*) crop does respond to aerosols of oxidized and reduced nitrogen along with light regime, physiological drought and substratum types?  
**Bhagawan Bharali,** Assam Agricultural University, India

**15:25-16:00**

**Title:** Description and analysis of phenotypic diversity in *Daucus* L. germplasm collection in Tunisia for species and subspecies identification  
**Najla Mezghani,** Banque Nationale de Genes, Tunisia

Networking and Refreshments Break: 16:00-16:20 @ PUBLIC Restaurant 1st Floor

**16:20-16:55**

**Title:** A comprehensive study on ethno pharmacological antidiabetic potential of traditional medicinal plants of India  
**Elizabeth Margaret N J,** St. Ann’s College for Women, India

**16:55-17:30**

**Title:** Systems biology in tropical plant research  
**Roohaida Othman,** Universiti Kebangsaan Malaysia, Malaysia

**17:30-18:05**

**Title:** Biochemical and functional characteristic of *Davidsonia pruriens* and *Davidsonia jerseyana* fruit tea  
**Nilesh Nirmal,** University of Queensland, Australia

### Panel Discussion

### Day 2 June 27, 2017

**Hall - Pailin 2**

### Keynote Forum

**09:25-09:30**

**Introduction**

**09:30-10:15**

**Title:** RNA-Seq analysis reveals host plant transcriptomes in response to *Agrobacterium*-mediated transformation  
**Zhanyuan J Zhang,** University of Missouri, USA
10:15-11:00  Title: Elucidating the true function of a sesquiterpene synthase from *Persicaria minor*  
Roohaida Othman, Universiti Kebangsaan Malaysia, Malaysia

Networking and Refreshments Break: 11:00-11:20 @ PUBLIC Restaurant 1st Floor

11:20-12:05  Title: Medicinal plants used in traditional medicine and their roles - in Indonesia  
Yusuf L Henuk, University of Sumatera Utara, Indonesia

Sessions:
- Traditional medicine
- Plant Nutrition and Plant Hormones
- Crop & Soil Science
- Agriculture & Horticulture
- Plant Genetics

Session Chair: Roohaida Othman, Universiti Kebangsaan Malaysia, Malaysia
Session Co-chair: Nagaraju N, University of Agricultural Sciences, India

12:05-12:40  Title: Bio-molecules induced resistance against Cucumber mosaic virus disease in Gherkins (*Cucumis anguria* L.)  
Nagaraju N, University of Agricultural Sciences, India

Lunch Break: 12:40-13:40 @ PUBLIC Restaurant 1st Floor

13:40-14:15  Title: Legume adoption practices in the central great plains of USA for sustainable agricultural production in the face of climate change  
M Anowarul Islam, University of Wyoming, USA

14:15-14:50  Title: Reduce the rice crop duration using the concept of phytomer  
Bahman Amir Larijani, Agricultural Research, Education and Extension Organization, Iran

14:50-15:25  Title: Alternative method of farming for sustainable agriculture and ecological security  
Kausubha Nand Bhatt, University of Allahabad, India

15:25-16:00  Title: Impact of neem and pongamia oil formulation and plant extracts for the management of berry borers of organic coffee plants as part of coffee integrated pest management  
Anthony Samy M, Saraswathi Narayanan College, India

16:00-16:35  Title: Cell and tissue specific regulation of sodium homeostasis conferring salinity tolerance in rice  
Md Abdul Kader, Bangladesh Agricultural University, Bangladesh

Networking and Refreshments Break: 16:35-16:55 @ PUBLIC Restaurant 1st Floor

Poster Presentations: 16:55-17:55 @ Pre-conference Hall

Session Chair: A K M Golam Sarwar, Bangladesh Agricultural University, Bangladesh

PSP 1  Title: Effect of grain size and moisture content on dehulling and milling characteristics of sorghum (*Sorghum bicolor* L.)  
Youngho Yoon, National Institute of Crop Science - RDA, South Korea

PSP 2  Title: Simultaneous detection of the biological agents responsible for wheat rust diseases: *Puccinia triticina* and *Puccinia striiformis f. sp. tritici*  
Anna Kot, University of Life Sciences in Lublin, Poland

PSP 3  Title: Effect of diquat dibromide on occurrence of Green Stem Syndrome (GSS) in soybean  
Jin Woo Bae, National Institute of Crop Science - RDA, South Korea

PSP 4  Title: Silver nanoparticles and silver ions: Oxidative stress responses and toxicity in potato (*Solanum tuberosum* L) grown in vitro  
Ali Akbar Ehsanpour, University of Isfahan, Iran

PSP 5  Title: Differences of genomic and phenomic responses in resistant and susceptible rice varieties to bacterial leaf blight  
Yong Hoon Lee, Chonbuk National University, South Korea

PSP 6  Title: Effects of transient silencing of heat shock proteins on photosystem II efficiency during adaptation to salinity stress in plants  
Mansour Shariati, University of Isfahan, Iran

PSP 7  Title: Variability of yield components of adzuki bean (*Vigna angularis* (willd.) Ohwi & Ohashi) cultivars as affected by change of sowing time  
Jongsoo Ryu, National Institute of Crop Science - RDA, South Korea

PSP 8  Title: Flavescens colour change and oil accumulation in correlation with ripeness in oil palm fruits  
Koo Ka Loo, Sime Darby Plantation, Malaysia

Panel Discussion

Awards & Closing Ceremony