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*Scientific Program*

3<sup>rd</sup> International Conference on

# Plant Science & Physiology

May 21-22, 2018 | Osaka, Japan



**Hosting Organization: Conference Series LLC LTD**

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Day 1 May 21, 2018

08:30-09:00 Registrations

Yamato

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09:00-09:30

## Opening Ceremony

### Keynote Forum

- 09:30-10:15 **Title: Free radicals and natural antioxidants in the cellular environment**  
**G J Sharma**, Manipur University, India
- 10:15-11:00 **Title: Physiological and biochemical strategies for relentless productivity by building tolerance in crop plants under abiotic stresses**  
**A Hemantaranjan**, Banaras Hindu University, India

### Group Photo @ Yamato

Networking and Refreshments Break: 11:00-11:20 @ Foyer

Sessions: **Plant Genetics and Epigenetics | Plant Science and Natural Products | Plant Genome Sciences | Agricultural Science | Biodiversity and Evolution of Plants | Forest Science and Technology Disorders | Drug addiction | Mental**

Session Chair: **G J Sharma**, Manipur University, India

Session Co-Chair: **A Hemantaranjan**, Banaras Hindu University, India

- 11:20-11:55 **Title: Medicinal and aromatic plants of Himalayan zone and their therapeutic properties for pharmaceutical industry**  
**Atul Kumar**, GB Pant University of Agriculture and Technology, India
- 11:55- 12:30 **Title: Plant growth promoting *Rhizobacteria*: A boon for sustainable agriculture**  
**Deepmala Katiyar**, Banaras Hindu University, India

Lunch Break 12:30-13:30 @ The Cafe Restaurant 1<sup>st</sup> Floor

- 13:30-14:05 **Title: Rapid and non-destructive evaluation on cacao pigments, flavonoids and nitrogen contents during pod development and maturity using a fluorescence sensor**  
**Tee Yei Kheng**, University Putra Malaysia, Malaysia.
- 14:05-14:40 **Title: Values and practical implementation of agricultural science in the life of the nation Nigeria**  
**Osondu Chimezie Nworu**, Osondu & Associates Design Architects, Nigeria
- 14:40-15:15 **Title: Biomedical application of natural molecule chitosan and its chitooligosaccharides**  
**Bharti Singh**, VitaeGen Biotech-Educational and Research Institute, India

Networking and Refreshments Break: 15:15-15:35 @ Foyer

- 15:35-16:10 **Title: *In vitro* propagation and DNA profiling of *Acorus calamus* Linn.**  
**G J Sharma**, Manipur University, India
- 16:10-16:45 **Title: Influence of cross-inoculation on groundnut and Bambara groundnut-*Rhizobium* symbiosis: Contribution to plant growth and yield in the field at sarh (Chad) and Ngaoundere (Cameroon)**  
**Albert Ngakou**, University of Ngaoundere, Cameroon

### Panel Discussion

Day 2 May 22, 2018

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### Keynote Forum

- 09:25-09:30 **Introduction**
- 09:30-10:15 **Title: An *In vitro* approach for heat tolerance screening of promising potato cultivars**  
**Atul Kumar**, GB Pant University of Agriculture and Technology, India
- Sessions: **Plant Pathology and Plant Microbiology | Plant Breeding and Molecular Breeding | Ecophysiology and Sustainability | Cell Biology | Systems and Synthetic Biology |**
- Session Chair: **G J Sharma**, Manipur University, India
- Session Co-Chair: **Atul Kumar**, University of Agriculture and Technology, India
- 10:15-10:50 **Title: Physiological and biochemical aspects of iron nutrition and interactions in plants**  
**A Hemantaranjan**, Banaras Hindu University, India

Networking and Refreshments Break: 10:50-11:10 @ Foyer

11:10-11:45 **Title: Response of alfalfa under salt stress to the application of potassium sulfate nanoparticles**

**Mahmoud El-Sharkawy**, Seberbay Collection Campus, Egypt

11:45-12:20 **Title: Mixed-nitrogen nutrition-mediated enhancement of drought tolerance of rice seedlings associated with photosynthesis, hormone balance and carbohydrate partitioning**

**Cao Xiaochuang**, China National Rice Research Institute, China

Lunch Break 12:20-13:20 @ The Cafe Restaurant 1<sup>st</sup> Floor

Sessions: **Plant Morphology and Plant Metabolism | Plant Physiology and Biochemistry | Plant Nutrition and Soil Sciences | Crop & Pasture Science | Plant Science and Agricultural Food Sciences | Postharvest Technology**

Session Chair: **Atul Kumar**, GB Pant University of Agriculture and Technology, India

Poster Presentation 13:20-14:50

PSP 1 **Title: Tobacco TTG2 and ARF8 function concomitantly to control flower colouring by regulating anthocyanin synthesis genes**

**Hansong Dong**, Nanjing Agricultural University, China

PSP 2 **Title: Water stress induced nitrogen redistribution to root improves nitrogen use efficiency at the vegetative stage of rice (*Oryza sativa* L.)**

**Qianyu Jin**, China National Rice Research Institute, China

PSP 3 **Title: Two virulent sRNAs identified by genomic sequencing target the type III secretion system in rice bacterial blight pathogen**

**Ping Li**, Nanjing Agricultural University, China

PSP 4 **Title: Hpa1 is an  $\alpha$ -helix-dependent type III translocator in *Xanthomonas oryzae* pv. *Oryzae***

**Xiaochen Chen**, Nanjing Agricultural University, China

PSP 5 **Title: Rice aquaporin PIP1;3 interact with *Xanthomonas oryzae* pathovar *oryzae* translocator Hpa1 and the identification of determinant domain**

**Yiqun Hu**, Nanjing Agricultural University, China

PSP 6 **Title: Ripening, aging and degradation rates of vegetables and fruits by *in situ* colorimetry and visible – near infrared spectroscopy**

**Satoru Nakashima**, Osaka University, Japan

PSP 7 **Title: Color changes of leaves in autumn studied by *in situ* spectro-colorimetry**

**Eri Yamakita**, Osaka University, Japan

PSP 8 **Title: Spectral reflectance and physiological studies of cocoa leaves in response to macronutrients deficiency**

**Tee Yei Kheng**, University Putra Malaysia, Malaysia

PSP 9 **Title: Characterizations of yields, water use efficiency and seed components of sesame as affected by groundwater levels and soil texture**

**Hyen Chung Chun**, National Institute of Crop Science, Republic of Korea

PSP 10 **Title: Isoflavone, polyphenol and fatty acid composition of soybean in response to soil water management practices in Korea**

**Sanghun Lee**, National Institute of Crop Science, Republic of Korea

PSP 11 **Title: Water use efficiency regulated by automatic surface drip irrigation control on soybean**

**Ki-Yuol Jung**, National Institute of Crop Science, Republic of Korea

PSP 12 **Title: Changes in carotenoid, free amino acid, and proline contents in Chinese cabbage (*Brassica rapa*) in response to drought stress**

**Yang Gyu Ku**, Wonkwang University, Republic of Korea

PSP 13 **Title: Gene expression profiling and physiological characterization of the *Panax ginseng* at seedling stage in response to heat stress**

**Ick-Hyun Jo**, National Institute of Horticultural and Herbal Science, Republic of Korea

Networking and Refreshments Break: 14:50-15:10 @ Foyer

Award Ceremony

Panel Discussion

This program is tentative and it may be subjected to modifications