Scientific Program

International Conference on

Plant Physiology & Pathology

June 09-10, 2016  Dallas, USA

Hosting Organization: Conference Series LLC
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Scientific Program

Day 1  June 09, 2016

09:00-9:45  Registrations

Allen conferenceseries.com  09:45-10:00  Opening Ceremony

Keynote Forum

10:00-10:05  Introduction
Russel J Reiter  
UT Health Science Center, USA

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UT Health Science Center, USA

Coffee Break 10:45-11:00 @ Foyer

11:00-11:40  Deshapal S Verma  
Ohio State University, USA

Track 1: Plant Physiology and Plant Biochemistry
Track 2: Plant Pathology & Weed science
Track 3: Crop Production and Market analysis
Track 4: Agricultural science and agricultural biotechnology
Track 5: Medicinal Plants

Session Introduction

Session Chair: Russel J Reiter, UT Health Science Center, USA
Session Co-chair: Gaylon D Morgan, Texas A&M University, USA

11:45-12:15  Gaylon D Morgan, Texas A&M University, USA
Summary of a multi-year soil-applied potassium trial in cotton

12:15-12:45  Sibongile Mafu, University of California at Davis, USA
Discovery and engineering of terpenoid metabolism in medicinal plants and food crops: From chemical diversity to biotechnology applications

12:45-13:15  Jacques Berner, North-West University, South Africa
Changes in the photosynthetic efficiency of sugarcane (Saccharum sp.) when fumigated with CO2 and O3

Panel Discussion

Lunch Break 13:15-14:00 @ Waterfall Atrium

14:00-14:30  Artem V Domashevskiy, The City University of New York, USA
Overcoming plant defence mechanisms: Evolutionary arms race between plants and viruses

14:30-15:00  Caspar Langenbach, RWTH Aachen University, Germany
Phytoalexins and bifunctional fusion proteins for plant protection

15:00-15:30  Shubhash Deokule, Savitribai Phule Pune University, India
Biodeterioration of chimerical constituents of some indigenous herbal drugs due to fungi

15:30-16:00  B N Reddy, University College for Women, India
Synergistic effects of arbucular mycorrhizal fungi and rhizobium on plant growth, yield and resistance to charcoal rot of green gram [Vigna radiata (L) wilczek]

Panel Discussion

Coffee Break and Poster Session 16:00-16:30
Evaluation of the nutritional potential and gc-ms analysis of Acmella Paniculata (wall. ex dc.) R.K Jansen from Arunachal Pradesh (Eastern Himalayas)

Pallabi Kalita, National Institute of Technology, India

Stem anatomy of three Chrysophyllum species (sapotaceae) and their relevance for taxonomy (systematic botany)

Mbagwu Ferdinand, Imo State University, Nigeria

Poster Sessions will be started from 16:00-16:30

**PP-01**
Effect of substrates on plant transpiration rate under several vapour pressure deficit (VPD) level
Md Rais Uddin, University of Hohenheim, Germany

**PP-02**
Indirect detection of ratoon stunting disease in sugar cane
Amalia Berna, Commonwealth Scientific and Industrial Research Organisation, Australia

Effects of seedling age and mechanical wounding of roots on the interaction between
Macrophomina phaseolina and Meloidogyne javanica on green beans
S N Al-Nadhari, King Saud University, Saudi Arabia

Brachypodium distachyon is a suitable host plant for study of Barley yellow dwarf virus
Nadege Soumou Wansim, Northwest A&F University, China

Water deficit modify phenotypes of transgenic maize overexpressing ABP9 in the field
Javed Hussain Umran, Chinese Academy of Agricultural Sciences, China

Day 2 June 10, 2016

**Allen**

**Keynote Forum**

9:30-10:10 Systems level analysis of abiotic stress response and plant productivity
Andy Pereira, University of Arkansas, USA

10:10-10:50 New horizon in plant science
Shubhash Deokule, Savitribai Phule Pune University, India

Coffee Break @ 10:50-11:05

11:05-11:45 Disease outbreaks due to mycotoxin poisoning in developing countries: risks and challenges of food safety management
B N Reddy, Osmania University, India

Panel Discussion

Track 6: Plant Ecology & Agro- diversity
Track 7: Plant Biotechnology and Tissue culture
Track 8: Plant Genetics and molecular biology of plant
Track 9: Phytochemicals
Track 10: Mycology & Phycology

Session Introduction: 11:45-11:50

Session Chair: Deshpal S Verma, Ohio State university, USA
Session Co-chair: Andy Pereira, University of Arkansas, USA

11:50-12:20 Phytomelatonin: Helping plants to survive and to thrive
Russel J Reiter, UT Health Science Center, USA

Building of cell plate during cytokinesis in plant cell
Deshpal S Verma, Ohio State University, USA
13:30-14:00
Regulation of the lignocellulose pathway in rice as a model for grasses
Andy Pereira, University of Arkansas, USA

14:00-14:30
Engineering nitrogen use efficiency in wheat with improved seedling root growth and post-anthesis nitrogen uptake
Xueqiang Zhao, Chinese Academy of Sciences, China

14:30-15:00
Biodiversity of wild food and medicinal plants of Eastern Himalayas
Hui Tag, Mississippi State University, USA

15:00-15:30
Tissue Culture Studies In Spilanthes acmella Murr-An Important Medicinal Plant
A Sabita Rani, University College for Women, India

15:30-15:50
In vitro screening of salt tolerant genotypes in tomato (Solanum lycopersicum L.)
Md Rais Uddin, University of Hohenheim, Germany

15:50-16:10
Performance of chlorophyll fluorescence to drought stress tolerance in different constructs of transgenic maize
Javed Hussain Umrani, Chinese Academy of Agricultural Sciences, China

16:10-16:30
Comparative efficacy of different approaches to managing Meloidogyne incognita on green bean
S N Al-Nadhari, King Saud University, Saudi Arabia

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