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730th Conference

Scientific Program

Proceedings of

2nd Global Summit on

PLANT SCIENCE

October 06-08, 2016 London, UK



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Scientific Program

Day 1 October 06, 2016

08:30-09:00 Registrations

Concorde Suite 3

conferenceseries.com **09:00-09:30 Opening Ceremony**

Keynote Forum

09:30-09:35 Introduction

09:35-10:05 Title: The tomato expression atlas: A new platform and database for interrogating fruit crop gene expression and co-expression with cell-type resolution
Jocelyn K C Rose, Cornell University, USA

10:05-10:35 Title: Gall inducers and host plants: Engineers of habitats and the importance of understanding the changes in plant metabolism
André Luis de Alcantara Guimarães, Federal University of Rio de Janeiro, Brazil

Networking & Refreshment Break @ 10:35-10:50 @ Concorde Foyer

10:50-11:20 Title: Genetic and agronomic approaches to reducing the acrylamide-forming potential of wheat
Nigel G Halford, Rothamsted Research, UK

11:20-11:50 Title: Bee-flower interactions and biodiversity
Aluri Jacob Solomon Raju, Andhra University, India

Special Session

11:50-12:35 Titel: A new model of global redox carbon cycle and photosynthesis development
Alexander Ivlev, Russian State Agrarian University of K. A. Timiryazev, Russia

Session:
Plant Tissue Culture and Plant Biotechnology | Plant Breeding and Molecular Breeding | Nanotechnology and Plant Sciences | Seed Science | Plant Pathology and Plant-Microbe Biology | Plant Synthetic Biology | Plant Environmental Sciences

Session Chair: Kevin Yueju Wang, Northeastern State University, USA

Session Co-chair: Synan AbuQamar, United Arab Emirates University, UAE

Session Introduction

12:35-13:00 Title: Seed-derived plasminogen activators (t-PA and DSPAα1) dissolve fibrin and blood clot
Kevin Yueju Wang, Northeastern State University, USA

Group Photo

Lunch Break 13:00-14:00 @ Aromi Resturant

14:00-14:25 Title: Production of pharmacologically active compounds via plant tissue culture
Somika Bhatnagar, National University of Singapore, Singapore

14:25-14:50 Title: Aluminium toxicity and signal transduction in cell suspensions of *Coffea arabica*
Teresa Hernández Sotomayor, Centro de Investigacion Cientifica de Yucatan, México

14:50-15:15 Title: Application of plant tissue culture techniques for bio- resources recovery
Rakhi Chaturvedi, Indian Institute of Technology Guwahati, India

15:15-15:40 Title: Protocol for synthetic seeds production in nabq (*Ziziphus spina-christi* L)
Doaa S Elazab, Assiut University, Egypt

15:40-16:05 Title: The influence of genomic contamination on the performance of Illumina strand-specific RNA-Seq
Caroline Janitz, Western Sydney University, Australia

Networking & Refreshment Break 16:05-16:20 @ Concorde Foyer

16:20-16:45 Title: Identification of genes involved in responses to environmental stress using reverse genetic approaches
Synan AbuQamar, United Arab Emirates University, UAE

16:45-17:10 Title: Elicitation: An effective strategy for the biotechnological production of bioactive compounds
Sedigheh Esmaeilzadeh Bahabadi, University of Zabol, Zabol, Iran

17:10-17:35 Title: Rice strategy for Nepal
Bhaba Prasad Tripathi, International Rice Research Institute (IRRI), Philippines

17:35-18:00	**Title: Maize host resistance to *Aspergillus flavus* infection/aflatoxin contamination through breeding and omics** **Robert L Brown,** USDA Agricultural Research Service, USA
	Panel Discussion 18:00-18:15
	Session Adjournment

Day 2 October 07, 2016

Concorde Suite 3

Keynote Forum

09:00-09:05	**Introduction**
09:05-09:35	**Title: Transgenic approaches to control aflatoxin contamination in maize and cottonseed** **Kanniah Rajasekaran,** USDA-ARS, USA
09:35-10:05	**Title: Restructuring vegetable fats for better infant nutrition** **Harrie van Erp,** Rothamsted Research, UK
	Networking and Refreshments 10:05-10:20 @ Concorde Foyer
10:20-10:50	**Title: Metabolic engineering for improved hydroxy fatty acid production in *Lesquerella*** **Grace Chen,** U.S. Department of Agriculture, USA

Sessions:
Agricultural Science | Horticulture and Landscaping | Plant Science and Natural Products | Plant Biodiversity and conservation | Plant Physiology and Biochemistry | Soil Science and Soil-plant Nutrition | Plant Genomics | Plant Genetics and Epigenetics

Session Chair: Abhishek Mani Tripathi, Global Change Research Center ASCR, Czech Republic

Session Co-chair: Rajinder Singh, Malaysian Palm Oil Board, Malaysia

	Session Introduction
10:55-11:20	**Title: Adaptation to climate change (micro) in agroforestry systems** **Abhishek Mani Tripathi,** Global Change Research Center ASCR, Czech Republic
11:20-11:45	**Title: Pollen tube guidance: The interplay between male and female gametophytes** **Wei-Cai Yang,** Institute of Genetics and Developmental Biology, China
11:45-12:10	**Title: Genomics guided breeding for oil palm improvement** **Rajinder Singh,** Malaysian Palm Oil Board, Malaysia
12:10-12:35	**Title: Prediction of agro meteorological rice yield models for surat district, India** **Vivek L Manekar,** S V National Institute of Technology, India
12:35-13:00	**Title: Agro-climatic sugarcane yield model for Surat district, India** **Nitin Bharadiya,** S V National Institute of Technology, India
	Lunch Break 13:00-14:00 @ Aromi Resturant
14:00-14:25	**Title: Farmers perceived effects of soil degradation on the yield of improved cassava varieties in south east Nigeria** **Nwaiwu Juan Chinatu,** Imo State University Owerri, Nigeria
14:25-14:50	**Title: Enhancing the biosynthesis of essential oil and bioactive compounds in *Agathosma betulina* using *in vitro* micropropagation technique** **Ambrose Okem,** Cape Peninsula University of Technology, South Africa
14:50-15:15	**Title: Ethno-botanical studies on medicinal plants used for the treatment of skin infections in the Eastern Cape, South Africa** **Learnmore Kambizi,** Cape Peninsula University of Technology, South Africa
15:15-15:40	**Title: Evaluation of ginger (*Zingiber officinale*) extracts on quality of stored tomatoes** **Ogbuehi Hyginus chikaodi,** Imo State University, Nigeria
15:40-16:05	**Title: Development of SCAR markers in date palm (*Phoenix dactylifera* L.) and jojoba (*Simmondsia chinensis Schneider*) for early sex identification** **Pushpa Kharb,** CCS Haryana Agricultural University, India
	Poster Session@16:05-16:45 @ Concorde Foyer
	Networking & Refreshment Break @16:15-16:45 @ Concorde Foyer

Young Researcher Forum	
YRF Judge: Grace Chen, U.S. Department of Agriculture, USA	
16:45-17:00	**Title: The lack of aluminium has a negative impact on *Qualea dichotoma* (mart) warm (*Vochysiaceae*) metabolism and anatomical structure** **Michelle Fayad-Andre**, University of Brasilia, Brazil
17:00-17:15	**Title: GC-MS-based metabolic analysis to help unravelling the biological role of aluminium (Al) in Qualea grandiflora Mart. (*Vochysiaceae*)** **Renata Cristina Costa e Silva**, University of Brasilia, Brazil
17:15-17:30	**Title: High utilization efficiency of Nitrogen and phosphorus nutrient in crops** **Wenzhu Yang**, Chinese Academy of Agricultural Sciences, China
17:30-17:45	**Title: The place of adequate plant nutrition in future plant disease management** **Idorenyin Antigha Otung**, Akwa Ibom State University, Nigeria
17:45-18:00	**Title: Genetic diversity of some cowpea (*Vigna unguiculata l. Walp*) landraces from nigeria base on microsatellite markers** **Iseghohi Innocent O**, Federal University, Nigeria
18:00-18:15	**Title: The efficacy of *Aloe vera* gel in post procedural wound care after fractional 1550 nm erbium-doped fiber laser** **Montree Udompataikul**, Srinakharinwirot University, Thailand
Panel Discussion@18:15-18:45	
Poster Presentations @ Concorde Foyer	
Poster Judge: Kanniah Rajasekaran, USDA-ARS, USA	
PS-101	**Title: Bioactive compounds identification and antibacterial activity of the essential oil of *chamomile* and *yarrow* species** **Banaz Mahmood**, Plymouth University, UK
PS-102	**Title: Tissue-specific expression of *Arabidopsis* Toc homologous genes encoding plastid protein receptors by transgenic plants** **Chih-Wen Sun**, National Taiwan Normal University, Taiwan
PS-103	**Title: Transcriptome analysis of *Cucumis metuliferus-Meloidogyne incognita* interaction reveals key genes that play important role in resistance to the pest** **Deyou Ye**, Gansu Academy of Agricultural Sciences, China
PS-104	**Title: A light-regulated transcription factor can regulate lycopene accumulation in tomato fruit** **Hsu-Liang Hsieh**, National Taiwan University, Taiwan
PS-105	**Title: Studies of abiotic and biotic stress in suspension cells of *Capsicum chinense* Jacq** **Munoz-Sanchez Jose Armando**, Centro de Investigación Científica de Yucatán, Mexico
PS-106	**Title: Molecular mapping of adult plant stripe rust resistance in durum wheat** **Naeela Qureshi**, University of Sydney, Australia
PS-107	**Title: Development of ISSR markers specific to mint species** **Nidaf Khan**, Central Institute of Medicinal and Aromatic Plants, India
PS-108	**Title: Seasonal soil nitrogen dynamics management and its effect on rice agronomic performances in the rainfed lowland cropping system of Burkina Faso** **Poulouma Louis Yameogo**, University of Bonn, Germany
PS-109	**Title: Biochemical comparison of two cytotypes (diploid & tetraploid) of *Physalis angulata* L., an important medicinal plant** **Raman Preet**, Punjabi University, India
PS-110	**Title: Effect of nano packing and aluminum on deterioration of soybean and corn seed in different storage condition** **Farhad Barazandeh**, Shaqra University, Iran
PS-111	**Title: Water-use efficiency and epicuticular wax load in bloom and bloomless phenotypes of *Sorghum bicolor* L** **Salma Bibi**, Texas A & M University, USA
PS-112	**Title: Cryopreservation of *Citrus maxima* embryonic axes using advanced cryo-techniques and establishment of base collection** **Sukhdeep Kaur**, ICAR-National Bureau of Plant Genetic Resources, India
PS-113	**Title: The intergenic region of the maize defensin-like protein genes Def1 and Def2 functions as an embryo-specific asymmetric bidirectional promoter** **Xiaoqing Liu**, Chinese Academy of Agricultural Sciences, China

PS-114 **Title: Effect of fertigation on soil chemcial properties in production of fl uted pumpkin (*Teliferiar occidentalis*)**

ADEDEJI Olufemi Ayokunle, Adeyemi College of Education, Nigeria

PS-113 **Title: Characterisation of responses of tomato (Solanum lycopersicum) genotypes to root-knot nematode (*Meloidogyne incognita*)**

Seloame T Nyaku, University of Ghana, Ghana

Day 3 October 08, 2016

Extended Networking & Lunch @ Aromi Resturant



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