

Plant Science 2018

Theme: Plants in a Changing Environment

October 29-30, 2018
Valencia, Spain

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Plant Science 2018

PROGRAM AT A GLANCE

SCHEDULE

09:00-09:30

REGISTRATION

09:30-12:30

KEYNOTE

12:30-14:30

LUNCH

14:30-16:30

WORKSHOPS

16:30-17:30

SESSION TALKS

17:30-18:30

NETWORKING



L'Oceanogràfic



Llotja de la Seda



Palace of the Marqués de Dos



Playa de la Malvarrosa

October 29-30, 2018

Valencia, Spain

Conference Series llc LTD extends its welcome to "6th Global Summit on Plant Science" during October 29-30,2018 at Valencia, Spain with a theme "Plants in a Changing Environment".Participating at Plant Science Conferences 2018 will provide an exceptional opportunity to interact with world-class Plant Science Specialists and Agriculture Experts in the field creating a channel for collaborations and partnerships.

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KEY SESSIONS

- Plant Science and Natural Products
- Plant Biotechnology and Plant Tissue Culture
- Agricultural Science
- Plant Pathology and Plant-Micro-Biology
- Plant Nanotechnology
- Plant Morphology and Plant Metabolism
- Plant & Forest Ecology and its Diversity
- Plant Genetics and Epigenetics
- Plant Breeding and Molecular Breeding
- Plant Physiology and Biochemistry
- Plant Genome Sciences
- Medicinal and Aromatic Plant Sciences
- Soil Science and Soil-Plant Nutrition
- Forest Science and Technology
- Seed Science and Technology
- Plant Synthetic Biology and Plant Transcriptome









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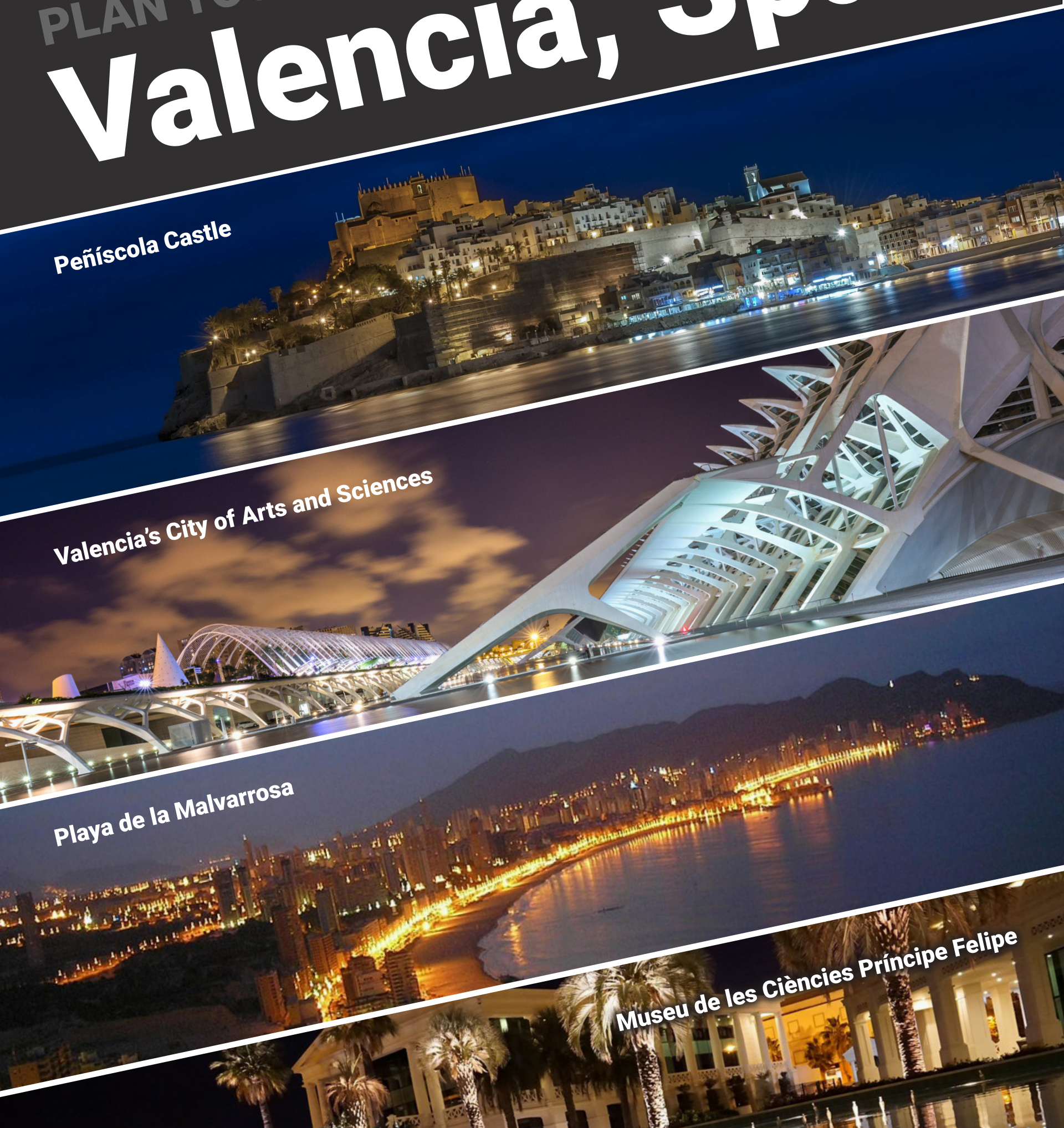
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PLAN YOUR TRIP TO

Valencia, Spain



Keynote Forum

Indigenous medicinal plants have served and continue to serve a critical role in the development of pharmaceuticals and therapeutic agents

Amy L. Greeson, Natural Discoveries, Inc. High Point, USA

Picotechnology 340pm / 600pm Evaluation of Soysoap Formula S-101 and S-102 For Activity Against Gram-Positive PlantPathogenic Bacteriaon

Anne K. Vidaver, Emerita University of Nebraska, USA

Application of Greenhouses for Sustainable Food Production

Abdeen Omer PhD, ERI, UK

Combating Abiotic Stress through Changing Gene Expression

Wilson Boardman, Micromix Plant Health Ltd, UK

Control of bud dormancy in apple

Fernando Andrés,Univ Montpellier, France

Maturity group classification and genetic diversity analysis of flowering time and maturity genes in African soybean germplasm

Dalia Kamal, China, Beijing

Identification of candidate genes involved in Arabidopsis responses to abiotic and biotic stresses using a transcriptomic

Synan F AbuQamar, United Arab Emirates University, UAE

Potentiometry in antioxidant activity evaluation of microsuspensions, extracts and living plants

Khiena Brainina,USUE, Russian Federation

The influence of climate changes on BYDV infection and Rhopalosiohum padi development

Jarosova Jana Crop Research Institute, Drnovská The Czech Republic

Cesium is a specific inhibitor of the AKT1-KC1 complex-mediated potassium influx in Arabidopsis

Ryoung Shin, RIKEN Center for Sustainable Resource Science, Japan

Padina sp. is an extracellular calcifying macro algae with aragonite needle-shaped CaCO3 morphology

Miriam Benita

The rice Rolled Fine Striped (RFS) CHD3/Mi-2 chromatin remodeling factor epigenetically regulates genes involved in reactive oxygen species

Nam-Chon Paek ,Seoul National University, Korea

Featured Speakers

Evaluation of some orange-fleshed sweet potato (ofsp) accessions for growth and yield potentials in jos-plateau environment
O.A.T. Namo, University of Jos

Nitric oxide and truncated hemoglobin 1 in regulation of sulfur deprivation responses in Chlamydomonas
Elena Ermilova, Saint-Petersburg State University, Russia

Impact of amino acids amount changes in winter wheat (Triticum aestivum L.) and relation with grain quality due to manganese and molybdenum foliar application
Jurgita Spokaite,Institute of Agriculture, Lithuania

KEYNOTE SLOTS & SPEAKER AVAILABLE

Assessment of the genetic diversity of maize genotypes under high temperature stress
Aamer Mumtaz, Maize and Millets Research Intitute

Growth and Yield Responses of Okra (*Abelmoscus esculentum L.*) as influenced by Sawdust Ash and Ammonium Nitrate
Abdulraheem Mukhtar, Department of Agricultural Science Education

Essential oil coatings influenced biochemical properties of two sweet orange (*Citrus sinensis*) cultivars stored under ambient conditions in Nigeria
Felix D. Ugese, University of Agriculture

Removal of Heavy Metals from the Wetlands Using Hyperaccumulator Plants and Endophytic Bacteria
Abhishek Tippa

Antifungal activiy of essential oil from *Anethum graveolens L.* growing wild in South West of Algeria on the fungic growth
Achraf Khaldi, Laboratory of Plant Resource Development and food Security in Semi-Arid Areas

Assessment of the Effectiveness of Certain Remediation Amendments Usually Applied in the Bioremediation of Soil Irrigated with Sewage Effluent for Extended Periods through CO2 evolution
Alaa Zaghloul, National Research Centre

Featured Speakers

Evaluation assessment of new genotypes of fababean under rainfed conditions of ninavaha governorete
Al-Tawel,College of Agriculture and Forestry

A successful artificial pollination, pod formation, seed germination and acclimatization of dendrobium orchids
Ameer Ahmed Mirbahar, Shah Abdul Latif University

In vitro antioxidant and ant proliferative effects of crude hydroalcoholic extract of Equisetum arvense L. and subsequent fractions on AGS cell line
Ali Karimi, Shahrekord University of Medical Sciences

Studies on the development of the haustorium in Cistanche phelypaea
Awad Fageer Farah,University of Sirte

Effects of ethanolic extracts of xylopia aethiopica fruits and piper guineense leaves and seeds on selected biochemical indices in male albino rat
Dr. Chinedu Imo

Understanding the causes of apparent strain variability on alectra vogelii in cowpeas
Christopher phiri

Benefits of non-timber forest products to the social- economic life of AFCOM.E2M Communities of southern Cameroon
AMANG A MBANG J, Institute of Agricultural Research for Development (IRAD), Cameroon

KEYNOTE & SPEAKER SLOTS AVAILABLE

Identification and quantification of phenolic compounds through reversed phase HPLC-DAD method in sunflower seeds under various treatments of potassium nitrate, zinc sulphate and gibberellic acid
Amin Ullah Jan, Faculty of Biological Sciences

In-vitro Screening of Digitaria exilis L. under different Osmotic Stress
David Oyinade , Department of Plant Science and Biotechnology

Dynamics of soil carbon emission; soil respiration and its associated controlling factors in the ecosystems
Deepa Dhital, Nepal Academy of Science and Technology

Featured Speakers

Evaluation of Faba Bean (*Vicia faba L.*) Varieties resistance to chocolate spot disease
Degife Asefa Zebire, Arba Minch University

Antifungal activities of the leaf and sap extracts of two endemic aloe species against seed borne fungal pathogen (*aspergillus species*) of groundnut (a*rachis hypogaea l*)
Dinkayehu Alamniel, Haramaya University

Anti-inflammatory and anti-nociceptive activity of Citrus albidus extract
Djebbar Atmani, Faculty of Nature and Life Sciences

Differential responses of root system and gas exchange in contrasting tomato genotypes under phosphorus starvation
Douglas J Marques,Horticulture and Experimentation UNIFENAS, Brazil

Morphogenetic elaboration of wheat genotypes for drought tolerance
Israr Ahmad, Women University of AJ&K

Characterization of Fungal Endophytes in Leaves, Stems and Roots of African Yam Bean (*Sphenostylis sternocarpa Hochst ex. A. Rich Harms*)
Iyabode Kehinde,Federal University of Agriculture

Diversity of edible and inedible macrofungi in Turgo tropical forest ecosystmem Mount Merapi National Park
Dwiki Prasetiya,Yogyakarta State University

Pastoralism versus Agriculturalism—How Do Altered Land-Use Forms Affect the Spread of Invasive Plants in the Degraded Mutara Rangelands of North-Eastern Rwanda
Jean Damascene Bariyanga,University of Rwanda

Multi-year Potential for Life on Trappist-1 and other Red Dwarf Star Planets
Joseph Gale, Plant Sciences Inst. of Life Sciences

"Towards non-detriment findings for Bubinga species (*Guibourtia demeusei* , *Guibourtia pellegreniana* , and *Guibourtia tessmannii*) in Cameroon" and also "Quantitative ethobotany of *Gnetum africanum* (Gnetaceae), a valuable Non Wood Forest Product in Central and West Africa
Jean Lagarde BETTI,University of Douala, Cameroon

Featured Speakers

Genetic modification of maize to influence body weight control
Mahdi tajalifar

The Effects of organic fertilizers on carotenoid compounds and yield in saffron (*Crocus Sativus L.*)
Majid Jafarimoghadam,Tehran Researches and Sciences University

Diversity Plant Science is the major tool for the development of health, basic need of daily life, reduces financial crises, poverty and hunger in the world
Muhammad Usman,Former Director General of Agricultural Research System

Healthy soils with conservation agriculture systems
Mohammad Esmaeil Asadi,Dolestan Agricultural Research Center

Genotype X Environment Interaction and Yield Stability of Arabica Coffee (*Coffea arabica L.*) Genotypes
Lemi Beksisa,Jimma University

KEYNOTE & SPEAKER SLOTS AVAILABLE

Application of Greenhouses for Sustainable Food Production
Abdeen Mustafa Omer, Energy Research Institute, UK

Usage, Curious Features and Ex-situ Conservation Postulates of Latex-producing Plants in the Savanna Region of Nigeria, Africa
Papi,University of Jos

Characterization of ethyl methanesulfonate treated sugarcane callus for in vitro drought stress selection
Dlamini Philani J, University of Zululand

Antagonistic endophytic Streptomyces strains, taxonomic characterization, plant growth promoting activities, effect on cocoyam (*Xanthosoma sagittifolium* (*L* .) *Schott*) and biochemical constituents
Djuidje Kouomou, Laboratory of Phytoprotection and Valorization of Plants Resources

Serious stem canker and dieback disease threatened incorporation of Agroforestry and field genebanks in Eastern Kenya
SHEILLAH, Plant Pathology and Plant-Micro-Biology,KENYA

Featured Speakers

Effect of potato peel's compost on evapotranspiration growth of *phaseoulus vulgaris l.* under salinity
RAFAT SAEED,Federal Urdu University of Arts, Science and Technology

Traditional Medicinal Plant Extracts and Natural Products with Activity against Oral Bacteria: Potential Application in the Prevention and Treatment of Oral Diseases
Bammidi Ramesh

In vitro conservation of heterozygous plants: a case study of date palm
Shawky A. Bekheet,National Research Center

Flammability and combustibility of Cistus plant groups In Tlemcen region (Algeria)
Smain El-Amine Henaoui,National Forest Research Institute

PERFORMANCE OF QUINOA (Chenopodium quinoa Willd) VARIETIES IN CONTRASTING ECOLOGICAL AREAS OF MALAWI
Peter Takondwa Muhota,Lilongwe University of Agriculture and Natural Resources (LUANAR)

Comparative acetylome analysis of wild-type and fuzzless-lintless mutant of upland cotton (Gossypium hirsutum cv. Xuzhou 142) unveils metabolic rearrangement during the fiber development
Prashant Kumar Singh,Henan University,China

Biosystématique, chorologie et écologie du genre Isoetes de Tunisie
HMAIED Souhir,Institut National Agronomique de Tunisie

Effect of plant growth regulators on morpho-physiological and yield parameters of some sesame (sesamum indicum l.) cultivars
S. Behera,Krishi Vigyan Kendra

Role of epigenetic in tree phenotypic plasticity Role of epigenetic in tree phenotypic plasticity
Stephane Maury,University Orléans, FRANCE

Studies on alleviation of heat stress in wheat (*Triticum aestivum L.*)
Subodh Bishnoi,Agricultural Research Station

Multiple approaches to manage Ceratocystis manginecans, mango quick wilt pathogen
Tanvir Ahmad,University of Agriculture

KEYNOTE & SPEAKER SLOTS AVAILABLE

Featured Speakers

White birches buds: chemical composition and perspectives for therapy of tumors
Valery A. Isidorov, Białystok University of Technology

Plants – Photosynthesis – Eco-philosophy: Pathways to a Sustainable Future
Department of Environmental Science, GB Pant University of Agriculture and Technology

Combating Abiotic Stress through Changing Gene Expression
Wilson Boardman,Micromix Plant Health Ltd

Molecular and Phenotypic Screening of Rice cultivars and promising Genotypes with SUB1 QTL for Submergence Tolerance, Stem Elongation and Survival percentage
Zulqarnain Haider,Rice Research Institute

Formulation Of Plant Volatile Cues And Assessment Of Their Impact On Parasitic Efficiency Of Trichogramma Chilonis
Archna Kumar, Amity Institute of Biotechnology

The Effect Of Time's Exposure And Thickness Of Material On Efficacy Of Microwave Energy In Some Different Stages For Some Storage Insects
Mohammed Z. Khalaf, Ministry of Science and Technology

Enhancing tolerance to high temperatures during flowering period in pearl millet through shuttle breeding
SK Gupta, ICRISAT

Seed-borne fungi on soybean in Nigeria and their control using Leaf essential oil of Ocimum gratissimum
Ahmed Oladimeji ,Plant pathology

Botanical-chemical formulations enhanced yield and protection against Bipolaris sorokiniana in wheat by inducing the expression of pathogenesis-related proteins
Rabia Naz,Department of Biosciences, COMSATS Institute of Information Technology (CIIT)

Management of Sitophilus zeamais and Callosobruchus chinensis using prickly-ash (*Zanthoxylum spp*)
Ch. M. Shahid Hanif,Department of Entomology, College of Agriculture

KEYNOTE & SPEAKER SLOTS AVAILABLE

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Day 1 August 07, 2017

Registrations

Olimpica 1

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Opening Ceremony

Keynote Forum

Introduction

Title: Rapid development of a castor cultivar with increased oil content
Grace Chen, U.S. Department of Agriculture, USA

Title: Natural products from Brazilian biodiversity, a source of new templates for medicinal chemistry
Vanderlan da S. Bolzani, Sao Paulo State University, Brazil

Title: Plant phenolics: New remedies for old disease
Djebbar Atmani, University of Bejaia, Algeria

Group Photo

Network & Refreshment Break

Sessions: Plant Science and Natural Products | Plant Physiology and Biochemistry | Medicinal and Aromatic Plant Sciences | Arabidopsis | Seed Science and Technology | Photosynthesis

Session Chair: Grace Chen, U.S. Department of Agriculture, USA
Session Co-chair: Petronia Carillo, University of Campania, Italy

Session Introduction

Title: Enhancing NGS performance through improvements in template preparation procedure
Caroline Janitz, Western Sydney University, Australia

Title: Physiological impacts on coffee plants submitted to water deficiency
Fernando Broetto, Sao Paulo State University, Brazil

Title: What is the best possible response of plants to combined stresses? Indeed the simplest one
Petronia Carillo, University of Campania, Italy

Workshop on

Title: Next-Generation sequencing—basics & applications: Tools and technologies
Caroline Janitz, Western Sydney University, Australia

Lunch Break

Title: Polyamines and flavonoids of bee pollen with anti-tyrosinase and antioxidant activity
Mi Kyeong Lee, Chungbuk National University, South Korea

Title: Cytotoxic, antidiabetic and anti-inflammatory activities of selected Algerian medicinal plants: From traditional use to scientific validation
Djebbar Atmani, University of Bejaia, Algeria

Title: Anti-ulcer activities of a local plant from Algeria, *Clematis flammul*
Dina Atmani-Kilani, University of Bejaia, Algeria

Title: Breadfruit (*Artocarpus altilis*) gibberellin metabolic genes: Stem elongation and abiotic stress response
Yuchan Zhou, University of the Sunshine Coast, Australia

Network & Refreshment Break

Title: Arabidopsis root formation is altered by cadmium and arsenic
Laura Fattorini, Sapienza University of Rome, Italy

Title: Genetic engineering of PPV resistance in plum rootstock 'Elita' ((*Prunus pumila* L. x *P. salicina* Lindl.) x (*P. cerasifera* Ehrh.))
Sergey Dolgov, Nikita Botanical Gardens, Russia

Title: Determination of polyphenol composition in Hevea brasiliensis and rubber-processing effluent via spectrophotometry and spectroscopy analysis

Aidilla Mubarak, Universiti Malaysia Terengganu, Malaysia

Title: Differential localization of ethylene receptor OsERS1 and OsETR2 in rice and the expression of OsETR2 during submergence

Wing Kin Yip, University of Hong Kong, Hong Kong

Panel Discussion

Day 2 August 08, 2017

Olimpica 1

Keynote Forum

Title: Inferring salt and water distribution in an irrigated crop field using electromagnetic induction techniques

Leon D van Rensburg, University of the Free State, South Africa

Title: Production of marker-free transgenic tomato and apple plants using inducible site-specific recombinase and a bifunctional selectable gene

Sergey Dolgov, Nikita Botanical Gardens, Russia

Workshop on

Title: Salt management of irrigated soils

Leon D van Rensburg, University of the Free State, South Africa

Network & Refreshment Break

Sessions: Plant Pathology and Plant-Micro-Biology | Plant Morphology and Plant Metabolism | Soil Science and Soil-Plant Nutrition | Plant Breeding and Molecular Breeding | Plant Biotechnology and Plant Tissue Culture | Agricultural Science

Session Chair: Vanderlan da S. Bolzani, Sao Paulo State University, Brazil

Session Co-chair: Minkyun Kim, Seoul National University, South Korea

Session Introduction

Title: Effects of acute ozone exposure on the release of stress volatiles, and the expression of a monoterpene synthase gene in *Nicotiana tabacum* leaves through recovery

Arooran Kanagendran, Estonian University of Life Sciences, Estonia

Title: Study of the mechanisms underlying tomato innate immunity mediated by two Bwr12 genes

Chiu-Ping Cheng, National Taiwan University, Taiwan

Title: Indole-3-butyric acid promotes adventitious rooting in Arabidopsis thin cell layers

Federica Della Rovere, University of Rome, Italy

Title: Complementary interaction of two starch biosynthesis genes confers a mild sugary endosperm in rice

Hee-Jong Koh, Seoul National University, South Korea

Title: Regulation of floral terpenoid emission and biosynthesis in sweet basil (*Ocimum basilicum*)

Jiayan Ye, Estonian University of Life Sciences, Estonia

Lunch Break

Poster Presentations

Poster Judge: Vanderlan da S. Bolzani, Sao Paulo State University, Brazil

P01 **Title: Influence of plant height on chrysanthemum transformed with SHI (Short Internodes related genes)**

EunJung Suh, National Institute of Agricultural Science, South Korea

P02 **Title: Genome-wide characterization of the *Brassica rapa* genes encoding serine/arginine-rich proteins: Regulation of alternative splicing events by abiotic stress and hormone treatments**

Soo In Lee, National Institute of Agricultural Sciences, South Korea

P03 **Title: Diploid Perilla de novo genome sequencing**

Tae-Ho Kim, National Institute of Agricultural Science, South Korea

P04 **Title: The polycistronic expression using non-mammalian viral 2A sequences for carotenoid metabolic engineering in rice plants**

Sun-Hwa Ha, Kyung Hee University, South Korea

P05 **Title: The effect of exogenous applications of salicylic acid at different growth stages to Iraqi wheat cv. Tamooz 2 on the up-regulation of the drought response regulon**

Fakhriya M. Kareem, Plymouth University, UK

P06 **Title: The effect of sowing rate and variety on the yield, protein content and height of faba beans**
Margit Olle, Estonian Crop Research Institute, Estonia

P07 **Title: The chemical forms of Fe used as in vivo substrate in uptake process of chloroplast**
Brigitta Lantos, Eotvos Lorand University, Hungary

P08 **Title: Genetic and epigenetic variability of wild and cultivated watercress (*Rorippa nasturtium aquaticum*)**
Marcela Veronica Gutierrez Velazquez, CIIDIR Durango, Mexico

P09 **Title: Phytochemical variation among populations of *Fouquieria splendens* Engelm (*Fouquieriaceae*)**
Hugo Manuel Monreal Garcia, CIIDIR Durango, Mexico

P10 **Title: High-throughput phenotyping of rice using RGB imaging**
Kyung-Hwan Kim, National Institute of Agricultural Sciences, South Korea

P11 **Title: Influence of symptoms, growth, mineral uptake and *ginsenoside* contents of *Ginseng* (*Panax ginseng* C.A.Meyer) to potassium concentrations in hydroponic culture**
Jin Yu, Department of Herbal Crop Research, NIHHS, South Korea

P12 **Title: The grain yield and photosynthetic characteristics responses of rice to oxygen status in rhizosphere as affected by soil aerations**
Qianyu Jin, China National Rice Research Institute, China

P13 **Title: Transcriptome analysis of dwarf soybean derived from crossing of *G. max* and *G. soja***
Chanseok Shin, Seoul National University, South Korea

P14 **Title: A blend of volatile compounds emitted from *Alcaligenes faecalis* modulated hormonal pathways and ion transporters to induce salt tolerance in *Arabidopsis thaliana***
Yong Hoon Lee, Chonbuk National University, Republic of Korea

P15 **Title: *P. nodorum* effectors resistance among Polish wheat and triticale germplasm**
Jakub Walczewski, Plant Breeding and Acclimatization Institute (IHAR), Poland

Sessions: Plant Pathology and Plant-Micro-Biology | Plant Morphology and Plant Metabolism | Soil Science and Soil-Plant Nutrition | Plant Breeding and Molecular Breeding | Plant Biotechnology and Plant Tissue Culture | Agricultural Science

Title: The roc10, a rice hd-zip transcription factor gene, modulates lignin biosynthesis for drought tolerance
Ju-Kon Kim, Seoul National University, South Korea

Title: Analysis of OsmiR399 expression and down-regulation of LTN1 in rice
Minkyun Kim, Seoul National University, South Korea

Title: Stomata closure and pre-exposure to low-level O_3 protect leaves against high-level O_3-induced damage in Phaseolus vulgaris
Shuai Li, Estonian University of Life Sciences, Estonia

Title: Arsenic and cadmium affect the crosstalk between auxin and jasmonate in *Oryza sativa* L.
Marilena Ronzan, Sapienza University of Rome, Italy

Network & Refreshment Break

Poster Presentations

Poster Judge: Grace Chen, UtS Department of Agriculture, USA

P16 **Title: Roles of *Arabidopsis* ALDH10 enzymes in plant development and stress resistance**
Florian Jacques, University of Technology of Compiegne, France

P17 **Title: Novel identification of CBF genes in rye and phylogenetic relationship in the *Triticeae***
Yong Weon Seo, Korea University, South Korea

P18 **Title: Biochemical characterisation of maize landraces for grain quality improvement**
Danijela Ristic, Maize Research Institute Zemun Polje, Serbia

P19 **Title: Application of molecular markers (SSRs) in foreground selection for maize quality traits**
Marija Kostadinovic, Maize Research Institute Zemun Polje, Serbia

P20 **Title: A new species of the genus *Malenchus* (Nematoda; Tylenchidae) from the rhizosphere of forest trees in northern Iran**
Majid Pedram, Tarbiat Modares University, Iran

P21 **Title: Investigation of certain elicitor´s effect on some gene´s (TXS, TBT, and DBAT) relative expression level and paclitaxel production in *Taxus baccata* cell suspension culture**
Mokhtar Jalali Javaran, Tarbiat Modares University, Iran

P22 **Title: Identification of gene sequences involved in chicoric acid biosynthesis pathway in *Echinacea purpurea* through RNA-SEQ transcriptome analysis**
Mohammad Sadegh Sabet, Tarbiat Modares University, Iran

P23 **Title: Survey of five *Artemisia* species with different artemisinin contents in view of relative expression of 13 genes involved in artemisinin production, karyology, and nuclear DNA content**
Ghasem Karimzadeh, Tarbiat Modares University, Iran

P24 **Title: Novel medium for enhancing callus growth in hazel (*Corylus avellana* L.)**
Ahmad Moieni, Tarbiat Modares University, Iran

P25 **Title: Genome-wide screening and functional characterization of long intergenic noncoding rnas in Arabidopsis**
Choonkyun Jung, Seoul National University, South Korea

P26 **Title: Oxalates assessment in the roots and shoots of taro (*Colocasia esculenta* (L.) Schott) submitted to drought conditions**
Carla S.S Gouveia, University of Madeira, Portugal

P27 **Title: Characterization of *Avena* germplasm collection in National Centre for Plant Genetic Resources, Radzikow, Poland**
Jerzy Czembor, Institute of Plant breeding and acclimatization - National Research Institute, Poland

P28 **Title: Morphological and molecular study of *Cryptaphelenchus* sp. (Nematoda, Ektaphelenchinae) associated with dead and dying pine trees in Iran**
Majid Pedram, Tarbiat Modares University, Iran

P29 **Title: Increased resistance to virus infection through overexpression of some important host genes involved in plant defense in potato *(Solanum tuberosum L.)***
Mohammad Sadegh Sabet, Tarbiat Modares University, Iran

P30 **Title: UV illumination on *Crithmum maritimum in vitro* cell culture: A biomimetic approache**
Julien Fouilland, France

Day 3 August 09, 2017

Sessions: Forest Science and Technology | Plant Genetics and epigenetics | Plant Genome Sciences | Plant Synthetic Biology

Session Chair: Dina Atmani-Kilani, University of Bejaia, Algeria

Session Introduction

Title: Glandular tichomes as a barrier against atmospheric oxidative stress
Shuai Li, Estonian University of Life Sciences, Estonia

Title: Nitrogen transformation characters in soil, use efficiency and rice grain yield as affected by soil aeration
Lianfeng Zhu, China National Rice Research Institute, China

Title: To flower or not to flower? The crucial decision of *Lilium longiflorum* bulbs
Silit Lazare, Ben Gurion University, Israel

Title: Barley stem reserves and yield maintenance under terminal drought: Molecular dissection of fructan biosynthesis and remobilization
Zahra Sadat Shobbar, Agriculture Biotechnology Research Institute of Iran, Iran

Network & Refreshment Break

Title: Germplasm identification and salinity- -tolerant gene isolation on *G. hirsutum* L.
Wuwei Ye, Chinese Academy of Agricultural Sciences, China

Title: Performance of rice varieties under rainfed condition in wet and dry tropics of Queensland, Australia
Sachesh Silwal, CQUniversity, Australia
Title:Phytochemical screening and in vitro free radical scavenging activity of different solvent extracts from *Convolvulus virgatus* Boiss
Taoufik Saleh Ksiksi, UAE University, UAE
Title: Construct a high-density genetic map in upland cotton and its application to genetic regulation analysis for yield and fiber quality traits
Youlu Yuan, Chinese Academy of Agricultural Sciences, China
Title: NPR1 mediated the cross talk between salicylate- and jasmonate- mediated pathways in *Carica papaya* in response to *Phytophthora palmivora*
Rui Zong Jia, China Academy of Tropical Agricultural Sciences, China

Lunch Break

Title: Functional analysis of ALSAP domains "a20/an1" in abiotic stress tolerance mechanism
Omar Moustafa Azab, King Saud University, Saudi Arabia
Title: Phylogenetic study of indigenous pulses based on morphological and inter simple sequence repeat (ISSR) marker
Filemon Yusuf, Bogor Agricultural University, Indonesia

Network & Refreshment Break

Awards Ceremony

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Scientific Program

Day 1 October 06, 2016

Registrations

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Opening Ceremony

Keynote Forum

Introduction

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

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

Title: Genetic and agronomic approaches to reducing the acrylamide-forming potential of wheat

Nigel G Halford, Rothamsted Research, UK

Title: Bee-flower interactions and biodiversity

Aluri Jacob Solomon Raju, Andhra University, India

Special Session

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

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

Title: Production of pharmacologically active compounds via plant tissue culture

Somika Bhatnagar, National University of Singapore, Singapore

Title: Aluminium toxicity and signal transduction in cell suspensions of *Coffea arabica*

Teresa Hernández Sotomayor, Centro de Investigacion Cientifica de Yucatan, México

Title: Application of plant tissue culture techniques for bio- resources recovery

Rakhi Chaturvedi, Indian Institute of Technology Guwahati, India

Title: Protocol for synthetic seeds production in nabq (*Ziziphus spina-christi* L)

Doaa S Elazab, Assiut University, Egypt

Title: The influence of genomic contamination on the performance of Illumina strand-specific RNA-Seq

Caroline Janitz, Western Sydney University, Australia

Networking & Refreshment Break

Title: Identification of genes involved in responses to environmental stress using reverse genetic approaches

Synan AbuQamar, United Arab Emirates University, UAE

Title: Elicitation: An effective strategy for the biotechnological production of bioactive compounds

Sedigheh Esmaeilzadeh Bahabadi, University of Zabol, Zabol, Iran

Title: Rice strategy for Nepal

Bhaba Prasad Tripathi, International Rice Research Institute (IRRI), Philippines

Title: Maize host resistance to *Aspergillus flavus* infection/aflatoxin contamination through breeding and omics

Robert L Brown, USDA Agricultural Research Service, USA

Panel Discussion

Session Adjournment

Day 2 October 07, 2016

Concorde Suite 3

Keynote Forum

Introduction

Title: Transgenic approaches to control aflatoxin contamination in maize and cottonseed

Kanniah Rajasekaran, USDA-ARS, USA

Title: Restructuring vegetable fats for better infant nutrition

Harrie van Erp, Rothamsted Research, UK

Networking and Refreshments

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

Title: Adaptation to climate change (micro) in agroforestry systems

Abhishek Mani Tripathi, Global Change Research Center ASCR, Czech Republic

Title: Pollen tube guidance: The interplay between male and female gametophytes

Wei-Cai Yang, Institute of Genetics and Developmental Biology, China

Title: Genomics guided breeding for oil palm improvement

Rajinder Singh, Malaysian Palm Oil Board, Malaysia

Title: Prediction of agro meteorological rice yield models for surat district, India

Vivek L Manekar, S V National Institute of Technology, India

Title: Agro-climatic sugarcane yield model for Surat district, India

Nitin Bharadiya, S V National Institute of Technology, India

Lunch Break

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

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

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

Title: Evaluation of ginger (*Zingiber officinale*) extracts on quality of stored tomatoes

Ogbuehi Hyginus chikaodi, Imo State University, Nigeria

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

Networking & Refreshment Break

Young Researcher Forum

YRF Judge: Grace Chen, U.S. Department of Agriculture, USA

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
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
Title: High utilization efficiency of Nitrogen and phosphorus nutrient in crops
Wenzhu Yang, Chinese Academy of Agricultural Sciences, China
Title: The place of adequate plant nutrition in future plant disease management
Idorenyin Antigha Otung, Akwa Ibom State University, Nigeria
Title: Genetic diversity of some cowpea (*Vigna unguiculata l. Walp*) landraces from nigeria base on microsatellite markers
Iseghohi Innocent O, Federal University, Nigeria
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

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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