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278th OMICS International Conference

Scientific Program

4th International Conference on

Agriculture & Horticulture

July 13-15, 2015 Beijing, China



OMICS International Conferences

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Day 1 July 13, 2015

09:00-09:30 Registrations

Cedar Tree Room

09:30-10:00

Opening Ceremony

Keynote Forum

10:00-10:05 **Introduction**

10:05-10:30 **Andy Renz**
Benson Hill Biosystems Inc., USA

10:30-10:55 **Ming Xu**
Chinese Academy of Sciences, China

Networking & Refreshments Break 10:55-11:10 @ Foyer

11:10-11:35 **Bernard Omodei**
Measured Irrigation, Australia

11:35-12:00 **Yuke He**
Chinese Academy of Sciences, China

Track 1: Agronomy and Soil Sciences
Track 4: Plant Biochemistry and Physiology
Track 5: Crop Breeding and Genetics
Track 13: Modeling Tools in Agriculture DSS

Session Introduction

Session Chair: Nasir S A Malik, United States Department of Agriculture, USA
Session Co-chair: Abdul Khalil Gardezi, Postgraduate College, Mexico

12:00-12:20 **Title: The role of arbuscular fungi on crop quality**
Nasir S A Malik, United States Department of Agriculture, USA

12:20-12:40 **Title: Effect of endomycorrhiza (*Glomus intrarradices*) and organic matter on cactus pear (*Opuntia albicarpa*) growth in two soil types**
Abdul Khalil Gardezi, Postgraduate College, Mexico

12:40-13:00 **Title: Farmers' perspective on soil health in the Indian Punjab: A quantitative analysis of major soil parameters**
Sukhwinder Singh, United Kingdom

Lunch Break 13:00-13:50 @ Easy Kitchen

13:50-14:10 **Title: The rapid response of agricultural biosafety via modern mass spectrometry-based microorganism identification technology**
Ruizong Jia, Chinese Academy of Tropical Agriculture Sciences, China

14:10-14:30 **Title: Effect of spacings and varieties on growth, yield and economics of transplanted redgram (*Cajanus cajan*)**
C Sudha Rani, Prof. JayashankarTelangana State Agricultural University, India

14:30 - 14:50 **Title: Integrated nutrient management in summer sesamum**
Kandi Prakash Vani, Prof. Jayshankar Telangana State Agriculture University, India

14:50-15:10 **Title: The case study and the law regulations of opiate concentrations in the seeds and urine after ingestion of poppy seeds from free market v.s. rare genotypes grown under temperate climate**
Franc Bavec, University of Maribor, Slovenia

15:10-15:30 **Title: Response of currently popular sorghum varieties to climate change in South India: DSSAT model analysis**
Raveendra H Patil, University of Agricultural Sciences, India

15:30-15:50 **Title: Prolonged effects of irrigation with low quality water on soil biological characteristics**
Mohamed Saber Ismaeil, National Research Centre, Egypt

15:50 - 16:10 **Title: Bio-fortification of rice grain - A case study in Sarawak using calcium silicate and organic fertilizer**
Maclin Dayod, Agriculture Research Centre Semongok, Malaysia

Networking & Refreshments Break 16:10-16:25 @ Foyer

16:25 - 16:45	**Title: The effect of post-harvest storage and time on the quality of baby spinach** **Fhatuwani Mudau N,** University of South Africa, South Africa
16:45 - 17:05	**Title: Influence of nitrogen supply on photosynthesis, chlorophyll content and yield of improved rice varieties under upland conditions** **Phoebe Sikuku,** Maseno University, Kenya
17:05 - 17:25	**Title: Mapping, identification, and validation of novel yield-enhancing QTLs from *O longistaminata* A Chev et Roehr** **Balram Marathi,** Prof. Jayashankar Telangana State Agricultural University, India
17:25 - 17:45	**Title: Effect of mechanical and chemical scarification on germination of dodder (*Cuscuta campestris* Yunck.) seed** **Aliyu Mustapha Bawuro,** Modibbo Adama University of Technology, Nigeria
17:45 - 18:05	**Title: Trickle irrigation enhances rabi castor yield and water use efficiency** **A V Ramanjaneyulu,** Prof. Jayashankar Telangana State Agricultural University, India
Panel Discussions **Session Adjournment**	

Day 2 July 14, 2015

Cedar Tree Room

Track 2: Horticulture, Floriculture & Forestry
Track 6: Crop Protection and Management
Track 7: Spices, Herbs and Medicinal Plants
Track 8: Tissue Culture and Plant Biotechnology
Track 9: Agricultural Engineering and Technology

Session Chair: Andy Renz, Benson Hill Biosystems Inc., USA
Session Co-chair: Fhatuwani Mudau N, University of South Africa, South Africa

Session Introduction

10:00 - 10:20	**Title: Entomopathogenic fungi as holistic tools in crop production and protection** **Surendra Dara,** University of California Cooperative Extension, USA
10:20 - 10:40	**Title: Increased crop yield through improved photosynthesis** **Andy Renz,** Benson Hill Biosystems Inc., USA
10:40 - 11:00	**Title: Climate smart cropping systems** **Bolla Joseph,** Prof. Jayashankar Telangana State Agricultural University, India
Networking & Refreshments Break 11:00-11:15 @ Foyer	
11:15 - 11:35	**Title: Response of physiological and biomass production of baby spinach (*Spinacia oleracea* L) leafy vegetable to nitrogen, phosphorus and potassium nutrition** **Fhatuwani Mudau N,** University of South Africa, South Africa
11:35 - 11:55	**Title: Wheat stem rust and climatic changes in Egypt during the last five years** **Mohamed Abdelkader,** Plant Pathology Research Institute, Egypt
11:55 - 12:15	**Title: Studies on Amla and Terminalia based agri-horticultural system intercropped with Aswagandha** **A Madhavi Lata,** Prof. Jayashankar Telangana State Agricultural University, India
12:15 - 12:35	**Title: The impact of phosphorus fertilizers on heavy metals content of soils and vegetables grown on selected farms in Jordan** **Asad Alkhader,** National Center for Agricultural Research and Extension, Jordan
12:35 - 12:55	**Title: *In vitro* propagation studies in vanilla (*Vanilla planifolia* Andr.)** **Satish Patil,** University of Agricultural Sciences, India
12:55 - 13:15	**Title: Optimization of mechanical cacao shelling parameters using unroasted cocoa beans** **Jeffrey Lavarias,** Central Luzon State University, Philippines
Lunch Break 13:15-14:05 @ Easy Kitchen	
14:05 - 14:25	**Title: Graft compatibility between *Solanum lasiocarpum* and *Solanum torvum* - as a potential tool to mitigate soil-borne diseases in Sarawak** **Maclin Dayod,** Agriculture Research Centre Semongok, Malaysia
14:25 - 14:45	**Title: A survey report on application of pesticides on tomato (*Lycopersicon esculantum*) in Bishnupur district, a major commercial vegetable producing area in Manipur, India** **Ningthoujam Shovarani,** Krishi Vigyan Kendra, India

14:45 - 15:05	**Title: Nematicidal potential of extracts from some selected plants against the root-knot nematode, *Meloidogyne incognita*** **Bukola Aminu-Taiwo,** National Horticultural Research Institute, Nigeria
15:05 - 15:25	**Title: Influence of post-harvest storage temperature and duration on quality of baby spinach** **Ambani Richardo Mudau,** University of South Africa, South Africa
15:25 - 15:45	**Title: Effect of some environmental factors on incidence and severity of angular leafspot of cotton in Yola and Mubi, Adamawa state, Nigeria** **Hycenth Nahunnaro,** Modibbo Adama University of Technology, Nigeria
15:45 - 16:05	**Title: Computational analysis and mining of physiochemical information for seed spices** **Geetika Jethra,** National Research Centre of Seed Spices, India
	Networking & Refreshments Break 16:05-16:20 @ Foyer
16:20-16:40	**Title: Association analysis of major nutrient and secondary nutrient status of leaves of selected castor genotypes and growth indices of Eri Silkworm** **S ChandraShekhar,** University of Agricultural Sciences, India
16:40-17:00	**Title: Application of cloud computing in agriculture sector** **Rishabh Goel,** Indian Agricultural Statistical Research Institute, India
17:00-17:20	**Title: Bio-fumigation in the management of stem and pod rot of groundnut caused by *Sclerotium rolfsii* (Sacc.)** **Gali Uma Devi,** Prof. Jayashankar Telangana State Agricultural University, India
17:20-17:40	**Title: Spectral simulation and remote sensing method of agricultural information - Application of south China in agriculture and litchi orchard** **Shui-sen Chen,** Guangzhou Institute of Geography, China
17:40-18:00	**Title: Influence of planting geometry and number seeds per hill on performance of pole bean grown under different protected growing conditions** **Mallikarjun Biradar,** University of Agricultural Sciences, India
	Panel Discussions
	Posters Program Cedar Tree Room 14:30-16:00
	Poster No. 01-14 14:30-15:15 **Poster No. 14 - 28 15:15-16:00**
	Session Adjournment

Day 3 July 15, 2015

Cedar Tree Room

Track 3: Agricultural Extension
Track 10: Agricultural Risk Management
Track 11: Sustainable Practices for Agriculture
Track 12: Agricultural Economics and Agribusiness

Session Chair: Milingoni Peter Tshisikhawe, University of Venda, South Africa
Session Co-chair: S ChandraShekhar, University of Agricultural Sciences, India

	Session Introduction
10:00 - 10:20	**Title: Enhancing the entrepreneurial capabilities of small and marginal farmers thorough extension interventions** **J P Sharma,** Indian Agricultural Research Institute, India
10:20 - 10:40	**Title: Financing organic farming activities among vegetable farmers in Onitsha agricultural zone of Anambra state, Nigeria** **Ugbajah Maryjane O,** Anambra State University, Nigeria
10:40 - 11:00	**Title: Economics of castor seed and Eri cocoon production with selected castor genotypes** **S ChandraShekhar,** University of Agricultural Sciences, India
	Networking & Refreshments Break 11:00-11:15 @ Foyer
11:15 - 11:35	**Title: Screening for new sources of angular leaf spot resistance in common bean** **Gabriel Ddamulira,** National Crops Resources Research Institute, Uganda
11:35 - 11:55	**Title: Ethnobotanical profile of indigenous tree species protected within agricultural farming system** **Milingoni Peter Tshisikhawe,** University of Venda, South Africa
11:55 - 12:15	**Title: The ethnobotanical review of plant used in sustenance of livelihood by Vhavenda people of Limpopo province, South Africa** **Khathutshelo Magwede,** University of Venda, South Africa

12:15 - 12:35	**Title: Public extension agents' need for new competencies: Evidence from Limpopo province, South Africa** **David B Afful,** University of Limpopo, South Africa
12:35 - 12:55	**Title: Assessment of knowledge level of tribal farmers regarding scientific animal husbandry practices of Madhya Pradesh** **Ruchi Singh,** Nanaji Deshmukh Pashu-Chikitsa Vigya Vishwavidyalaya, India
12:55 - 13:15	**Title: Influence of heating time of Shea nuts (*Vitellaria paradoxa*) on some chemical properties of Shea butter** **Vadlya T Tame,** Modibbo Adama University of Technology, Nigeria
	Panel Discussions
	Awards Ceremony & Closing Remarks (13:15 - 13:25)
	Session Adjournment
	Lunch Break 13:25-14:15 @ Easy Kitchen

Posters Program	
AH- 01	**Title: How innovations in agricultural sector could help small and medium-sized enterprises to face a policy evolution?** **Camille Aouinaït,** Switzerland
AH- 02	**Title: Transitions towards sustainable development in rural areas: Transition management insights from Bulgaria** **Mira Alyakova,** University of National and World Economy, Bulgaria
AH- 03	**Title: Effect of some amino acids, precursors, and light conditions on callus growth and silymarin content of *Silybum marianum* L.** **Nabil Mohamed Toaima,** Al-Azhar University, Egypt
AH- 04	**Title: The chemical assessment of seed essence oftwonative medicinal plants of the Yazd province (Bunium premium, *Cuminum cyminum*) and the comparison of their antioxidant properties** **Maryam Azhdari,** Shahid Sadoughi University of Medical Sciences, Iran
AH- 05	**Title: Single window system (reaching the unreached)** **Shivanand Kumatagi,** Mahatma Phule Krishi Vidyapith, India
AH- 06	**Title: Study of *Danaus chrysippus* & its conservation** **Prasad Deshmukh,** Mahatma Phule Krishi Vidyapith, India
AH- 07	**Title: Effect of depodding ratio on occurrence of soybean green stem syndrome and seed weight change** **Jin-Woo Bae,** National Institute of Crop Science, Republic of Korea
AH- 08	**Title: Economic analysis of the effects of conservation land to provide food and feed in dry land farming on the Island east** **Helena da Silva,** East Nusa Tenggara Assessment Institute for Agricultural Technology, Indonesia
AH- 09	**Title: Impact of cooperative societies on cassava production in Offa local government area, Kwara state, Nigeria** **Ibrahim Tomo K,** Kebbi State University of Science and Technology, Nigeria
AH- 10	**Title: Oscillatory processes of water and mineral metabolism of plants cultivated on thin-layer juvenile analogues of soil** **Vladimir K Mukhomorov,** Agrophysical Institute, Russia
AH- 11	**Title: Impact of climate change on agriculture sector in Egypt and China** **Zakaria Abdalla,** National Research Centre, Egypt
AH- 12	**Title: Environmental aspects in agriculture** **M Ya Burlev,** All-Russian Scientific Research Institute, Russia
AH- 13	**Title: Effect of maize - cowpea intercropping on light interception, yield and land use efficiency** **Mostafa Abd El-Salam,** National Research Centre, Egypt
AH- 14	**Title: A survey of underutilized economic tree species in Aliero environs, Nigeria** **Mansur Muhammad A,** Kebbi State University of Science and Technology, Nigeria
AH- 15	**Title: Effect of organic manure application on apple productivity and chemical composition of leaves, fruits under sandy calcareous soil conditions** **Aml Yousef,** National Research Centre, Egypt
AH- 16	**Title: Breeding programs for locally developed hybrid rice and present scenario in Bangladesh** **Afsana Ansari,** Chinese Academy of Agricultural Sciences, China

AH- 17	**Title: Adaptability, variability, heritability genotypic and phenotypic coefficient of variability among Acha accessions from north eastern Nigeria** **Umar Muhammad Buba,** Abubakar Tafawa Balewa University, Nigeria
AH- 18	**Title: Genetic diversity of the cactus pear (*Opuntia spp*) in morocco as revealed by morphological descriptors and molecular markers** **Youssef El Kharrassi,** Université Hassan I, Morocco
AH- 19	**Title: Heterosis and combining ability studies for yield and yield contributing traits in chilli (*Capsicum annuum* L.)** **Prafulla Gawande,** Dr. Panjabrao Deshmukh Krishi Vidyapeeth, India
AH- 20	**Title: Prolonged effects of irrigation with low quality water on soil biological characteristics** **Mohamed Saber Ismaeil,** National Research Centre, Egypt
AH- 21	**Title: Isolation of alfalfa mosaic virus from four pepper cultivar in Riyadh K.S.A using RAPD-PCR technique** **Jehan Saud Al –Abrahaim,** Princess Nora Bent Abdul-Rahman University, Saudi Arabia
AH- 22	**Title: Growth and yield of turmeric (*Curcumin longa*) as influenced by organic manure sources in Obubra, southeastern Nigeria** **Thomas Ojikpong,** Cross River University of Technology, Nigeria
AH- 23	**Title: Efficacy of different species of earthworms in production of vermi-compost using sericulture waste** **S ChandraShekhar,** University of Agricultural Sciences, India
AH- 24	**Title: Response of spine gourd genotypes (*Momordica dioica* Roxb.) to micropropagation** **Shrinivas Jadhav,** Sardarkrushinagar Dantiwada Agricultural University, India
AH- 25	**Title: Flavonoids, essential oil and its constituents of *Anethum graveolens* L. herb affected by nitrogen and bio-fertilizers** **Hussein Said-Al Ahl,** National Research Centre, Egypt
AH- 26	**Title: Using MODIS data for predicting regional yield of maize and soybean** **Ho-Young Ban,** Seoul National University, Republic of Korea
AH- 27	**Title: Responses of spikelet fertility to air, spikelet, and panicle temperatures and vapor pressure deficit in rice** **Woo-Sung Jung,** Seoul National University, Republic of Korea
AH- 28	**Title: Genotypic difference in grain filling response to air temperature during reproductive stage of rice** **Kyu-Jong Lee,** Seoul National University, Republic of Korea

Bookmark your dates

5th International Conference on

Agriculture & Horticulture

July 11-13, 2016 Kuala Lumpur, Malaysia



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