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. Jayashankar 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
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

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

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 esculentum) in Bishnupur district, a major commercial vegetable producing area in Manipur, India
Ningthoujam Shovarani, Krishi Vigyan Kendra, India
Title: Nematicidal potential of extracts from some selected plants against the root-knot nematode, *Meloidogyne incognita*
Bukola Aminu-Taiwo, National Horticultural Research Institute, Nigeria

Title: Influence of post-harvest storage temperature and duration on quality of baby spinach
Ambani Richardo Mudau, University of South Africa, South Africa

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

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**

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

Title: Application of cloud computing in agriculture sector
Rishabh Goel, Indian Agricultural Statistical Research Institute, India

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

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

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

**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 through extension interventions  
J P Sharma, Indian Agricultural Research Institute, India

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

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
Title: Public extension agents’ need for new competencies: Evidence from Limpopo province, South Africa
David B Afful, University of Limpopo, South Africa

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

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
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 of two native 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: Oscillatory processes of water and mineral metabolism of plants cultivated on thin-layer juvenile analogues of soil
Ibrahim Tomo K, Kebbi State University of Science and Technology, Nigeria

AH-10
Title: Impact of climate change on agriculture sector in Egypt and China
Zakaria Abdalla, National Research Centre, Egypt

AH-11
Title: Environmental aspects in agriculture
M Ya Burlev, All-Russian Scientific Research Institute, Russia

AH-12
Title: Effect of maize - cowpea intercropping on light interception, yield and land use efficiency
Mostafa Abd El-Salam, National Research Centre, Egypt

AH-13
Title: A survey of underutilized economic tree species in Aliero environs, Nigeria
Mansur Muhammad A, Kebbi State University of Science and Technology, Nigeria

AH-14
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-15
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

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