Scientific Program

5th International Conference on
Agriculture & Horticulture
June 27-29, 2016 Cape Town, South Africa

Hosting Organization: Conference Series LLC
e-mail: agri@conferenceseries.net; agri@insightconferences.com
Central 1

**Scientific Program**

**Day 1**

**June 27, 2016**

**Opening Ceremony**

**Keynote Forum**

**09:10 - 09:20**

**Introduction**

**09:30 - 10:00**

**Title: A transforming soil water retention technology that eradicates drought and increases crop resilience to changing climates**

*Alvin Smucker, Michigan State University, USA*

**10:00- 10:30**

**Title: Can novel management practice improves soil and environmental quality and sustains crop yield simultaneously**

*Upendra M Sainju, Northern Plains Agricultural Research Laboratory- USDA, USA*

**Networking & Refreshments Break: 10:30 - 10:45 @ Foyer**

**10:45- 11:15**

**Title: Impact of Climate Change on Agriculture: Should we be worried?**

*Mxolisi David Modise, University of South Africa, South Africa*

**Track 1: Global Warming & Agriculture**

**Track 2: Agricultural Biotechnology**

**Track 3: Engineering Inputs in Agriculture**

**Track 4: Soil Sciences**

**Track 5: Agronomy**

**Track 6: Horticulture**

**Track 7: Agriculture & Forestry- Utilization & Potential Applications**

**Track 8: Crop Sciences**

**Session Introduction**

**Session Chair: Alvin Smucker, Michigan State University, USA**

**Session Co-Chair: Upendra Sainju, Northern Plains Agricultural Research Laboratory- USDA, USA**

**11:15 - 11:35**

**Title: Food security through plant health management**

*Mahendra P Srivastava, CCS Haryana Agricultural University, India*

**11:35 - 11:55**

**Title: PGPR-ASDE-Plant growth promoting Rhizobacteria as alleviators for soil degradation**

*Metin Turan, Yeditepe University, Turkey*

**11:55 - 12:15**

**Title: Adaptation measures initiated due to climate change in southern India**

*Jagadeeshwara K, University of Agricultural Sciences, India*

**12:15 - 12:35**

**Title: Tissue Culture: A Boon for Agriculture**

*Shubhangi Salokhe, Symbiosis Institute of International Business, India*

**12:35 - 13:15**

**Title: Climate change status in mutale local municipality: A case study of smallholder farmers in Vhembe district, Limpopo province.**

*Phokele Maponya, Agricultural Research Council, South Africa*

**12:55 - 13:15**

**Title: An assessment of the on the on-the-job level of satisfaction of extension officers in Limpopo province, South Africa – Ordinal regression approach**

*P K Chauke, University of Venda, South Africa*

**Lunch Break 13:15 - 14:15 @ Foyer**

**14:15 - 14:35**

**Title: The effects of harvesting methods of Shea fruit (Vitellaria paradoxa) on chemical and physical properties of Shea butter**

*Vadlya T Tame, Modibbo Adama University of Technology, Nigeria*

**14:35 - 14:55**

**Title: Factors enhancing market participation: A case of small holder farmers in Zululand district, KwaZulu Natal in South Africa**

*Phokele Maponya, Agricultural Research Council, South Africa*
14:55 - 15:15 Title: Evaluation of neem seed and ginger rhizome extracts in control of postharvest tuber rot fungi of Irish potato in Yola
Hycenth Nahunnaro, Modibbo Adama University of Technology, Nigeria

15:15 - 15:35 Title: Assessing the host range of Dodder (Cuscuta campestris Yunck) among crops in Adamawa State, Nigeria
Allyu Baworu Mustapha, Modibbo Adama University of Technology, Nigeria

15:35 - 15:55 Title: Agrohomeopathy: New practice in Agriculture from seed germination to field trial
Sandhimita Mondal, Techno India University, India

Networking & Refreshments Break: 15:55-16:10 @ Foyer

Day 2 June 28, 2016
Central 1

Keynote Talk

09:00 - 09:30 Title: Proposal of Regulations for Pot-Honey produced by four genera of Meliponini bees: Geotrigona, Melipona, Scaptotrigona, Tetragonisca in Ecuador
Patricia Vit, Universidad de Los Andes, Venezuela

09:30 - 10:00 Title: Enhanced tolerance of horticultural plants to abiotic and biotic stresses by silicon
Byoung Ryong Jeong, Gyeongsang National University, South Korea

Networking & Refreshments Break: 10:00 - 10:15 @ Foyer

Track 9: Crop Protection & Awareness
Track 10: Agriculture Law & Policy
Track 11: Organic Agriculture
Track 12: Agricultural Extension & Sustaining Practices
Track 13: Livestock Farming & Genetic Engineering

Session Chair: Byoung Ryong Jeong, Gyeongsang National University, South Korea
Session Co-Chair: Fhatuwani N Mudau, University of South Africa

10:15 - 10:35 Title: Pesticides in management of plant diseases: Public perception and ground realities
Mahendra P Srivastava, CCS Haryana Agricultural University, India

10:35 - 10:55 Title: Particulate and active soil nitrogen fractions in response to sheep grazing in dryland cropping systems
Upendra Sainju, Northern Plains Agricultural Research Laboratory- USDA, USA

10:55 - 11:15 Title: Comparative analysis and Up-scaling of integrated farming systems among resource poor farmers in peninsular India
Jagadeeshwara K, University of Agricultural Sciences, India

11:15 - 11:35 Title: Agricultural policies and food system transformation: has post-apartheid South Africa done better?
Sunday Yiseyon Hosu, University of Fort Hare, South Africa

11:35 - 11:55 Title: Physiological and proteomic analyses in graft junction reveal novel insight into mechanisms involved in adaptation to different day/night temperature regimes in two tomato cultivars
Byoung Ryong Jeong, Gyeongsang National University, South Korea

11:55 - 12:15 Title: Identification and description of some common ornamental plant species at Ahmadu bello University Zaria, Nigeria
Sani Yusuf Ahmad, Ahmadu Bello University, Nigeria

12:15 - 12:35 Title: Influence of growth stage harvest on the quality of baby spinach during postharvest storage
Fhatuwani N Mudau, University of South Africa, South Africa

Young Researcher Forum

Judge 1: Mahendra P Srivastava, CCS Haryana Agricultural University, India
Judge 2: Patricia Vit, Universidad de Los Andes, Venezuela

12:35 - 12:50 Title: Does the modified atmosphere packaging (MAP) extend quality of baby spinach leaves on postharvest shelf life?
Ambani Richardo Mudau, University of South Africa, South Africa

12:50 - 13:05 Title: Bio Humic Application Effects on Soil Degredation
Nurgul Kitir, Yeditepe University, Turkey

13:05 - 13:20 Title: Irrigation water management and food security
Ransford Opoku Darko, Jiangsu University, China

Lunch Break 13:20 - 14:20 @ Foyer

14:20- 14:35 Title: Characterization of Monsonia burkeana leaf transcriptome
Adugna A Woldeemayat, University of South Africa, South Africa

14:35 - 14:50 Title: Ethyl methyl sulfonate (EMS) induced herbicide resistance in in vitro derived rice (Oryza sativa L.) calli
Manaka Makgato, Agricultural Research Council, South Africa
14:50 - 15:05 Title: Variation in antioxidant activity and soluble sugars of Wild ginger (*Siphonochilus aethiopicus* L.) in response to water and nitrogen levels
Ngoakoana Salmina Mokgehle, Agricultural Research Council, South Africa

15:05- 15:20 Title: Development and performance testing of a passive vegetable dryer with movable heat storage system
Jacob Liberty, Federal University, Nigeria

Networking & Refreshments Break: 15:20 - 15:35 @ Foyer

Poster Session @ Foyer 12:00 - 14:00
Networking & Lunch

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<thead>
<tr>
<th>Poster Presentations</th>
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<tr>
<td>AH - 001 Title: Elucidation of the biochemical and functional properties of an unknown novel protein from Arabidopsis thaliana</td>
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<tr>
<td>Katlelo Sehlabane Abotseng, Northwest University, South Africa</td>
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<td>AH - 002 Title: Ovine herpesvirus 2 (OvHV-2), is the causative agent of sheep-associated malignant catarrhal fever</td>
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<td>Fulufhelo Amanda Doboro, Agricultural Research Council, South Africa</td>
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<td>AH - 003 Title: Study on reaction of late and moderately maturing maize hybrids and lines to Fusarium ear rot in Iran</td>
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<td>Majid Zamani, Seed and Plant Improvement Institute, Iran</td>
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<td>AH - 004 Title: Subsequent effects of vermicomposts from kitchen biowaste on properties of soil and plants</td>
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<td>Ales Hanc, University of Life Sciences, Czech Republic</td>
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<td>AH - 005 Title: Working conditions and health of workers in Ethiopian flower farms</td>
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<td>Vegard Mjelde Hanssen, University of Bergen, Norway</td>
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<tr>
<td>AH - 006 Title: A Comparison of post-emergence applications of herbicides for control of weeds in Kenyan sugarcane fields</td>
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<td>Riungu Ginson, KALRO-SRI, Kenya</td>
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<td>AH - 007 Title: Influence of different oyster mushroom (<em>Pleurotus ostreatus</em>) substrates on the establishment and growth of three selected vegetables</td>
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<td>Zuziwe Elander Nkosi, Agricultural Research Council, South Africa</td>
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<td>AH - 008 Title: Combining ability for grain yield and physiological maturity in early generation Inbred lines of Maize</td>
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<tr>
<td>Zibandeh Dehghanpour, Seed and Plant Improvement Institute, Iran</td>
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<td>AH - 009 Title: Effects of various hormonal treated plant substrates and their influence on the <em>Pleurotus ostreatus</em> development in the semi-arid regions</td>
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<td>Sydwell M Sihlangu, Agricultural Research Council, South Africa</td>
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8th International Conference on Agriculture & Horticulture

April 10-12, 2017 Beijing, China

e-mail: agri@conferenceseries.net Website: agriculture-horticulture.conferenceseries.com