

Monday 15 January 2018

| Time | Event | Venue |
|--------------------------------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| 08:00 – 10:00 | Registration | Ratanga Junction |
| PLENARY SESSION - WALLED CITY | | |
| 10:00 – 10:10 | Welcome | Prof. T.N. Kotze |
| 10:10 – 10:40 | Opening address | Prof Mohammed Karaan |
| 10:40 – 11:00 | | TEA |
| 11:00 – 11:10 | ACSS Welcome | Prof Louisa dos Santos |
| 11:10 – 11:40 | ACSS Keynote | Dr Joyce Chitja |
| 11:40- 12:10 | African Combined Conference Plenary address | Dr Stephanie Midgley - Sustainable agricultural water management in times of increasing demand and scarcity |
| 12:10 – 12:40 | Poster Session 1 | Viewing of posters 1 - 65 |
| 12:40-13:20 | | LUNCH – Walled City |

| SESSION 1 - Monday 15 January 2018 | | | | |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Subject | Agronomy – Plant nutrition | Hort production & cultivation practices | Soil physics | Weed management/Crop protection |
| Chairperson | Gerrit Burger | Prof Isa Bertling | Dr Eduard Hoffman | Hestia Nienaber |
| Venue | MegaVu | Smugglers | Ratanga Officers Club | Spice Island |
| 13:20 – 13:40 | Mahlangu - Effect of different levels of nitrogen application and plant density on yield of basil and rocket | Prins - The impact of 20 % white shade netting on the microclimate of a 'Nadorcott mandarin' orchard and the tree physiology | Van Antwerpen - Electro-magnetic induction: can it be used to identify the depth of abrupt change in clay content? | Ferreira - The evaluation of inter row cover crops for weed suppression in rooibos production systems |
| 13:40 – 14:00 | Tchiaze - Influence of nitrogen sources and plant growth-promoting rhizobacteria inoculation on growth, crude fiber and nutrient uptake in squash (<i>Cucurbita moschata</i> duchesne ex poir.) plants | Brown - The impact of permanent 20% white shade netting on the vegetative/reproductive balance of 'Nadorcott' mandarin | Tesfamariam - Sludge drying depth on drying beds affects the nitrogen and organic matter content of wastewater sludge | Campbell - Encouraging integrated weed management in the SA sugar industry |
| 14:00 – 14:20 | Odedina - Varying staking length in yam production and effect on growth and yield of white yam varieties | Shereni - The effect of biostimulants on establishment of Nadorcott citrus trees | Van Schalkwyk - Soil water balance and root development in rooibos plantations under Clanwilliam field conditions | Fourie - Cover crop performance in an apple orchard |
| 14:20 – 14:40 | Migeri - Human urine and its derived products as fertilizers for crop production | Cameron - The use of scanning electron microscopy and wavelength dispersive x-ray spectroscopy to quantify calcium uptake and distribution in apple white roots during winter | Stofberg - The effect of irrigation on the performance of young apple trees in newly established orchards | Allemann - Evaluation of metham sodium for the control of volunteer potatoes |
| 14:40 – 15:00 | Kunene - Effects of organic and inorganic fertilisers on the growth and yield of amaranth (<i>Amaranthus hybridus</i> L.) | Mwije - Investigating mode of action by which boron plus calcium foliar applications reduce apple sunburn | Leygonie - Once-off tillage before canola in conservation agriculture: the facts | Ferreira - Sustainable weed management options for Paterson's curse (<i>Echium plantagineum</i> L.) suppression: preliminary results |
| 15:00 – 15:20 | Netshithuthuni - Effect of disease suppressive compost combined with solarised soil on onion white rot incidence, severity and plant growth | Lötze - Calcium dynamics of reproductive apple bud tissues during dormancy in the Western Cape, South Africa | Nyambo - Soil aggregation under a maize based conservation agriculture system in the central eastern Cape Province in South Africa | Mphahlele - Aggressiveness of <i>Alternaria solani</i> isolates on two susceptible tomato cultivars |
| 15:20 – 15:40 | TEA | | | |
| SESSION 2– Monday 15 January 2018 | | | | |
| Subject | Agronomy – Crop production | Hort production & cultivation practices | Soil fertility/Soil biology | Weeds, crops and herbicides/Crop protection |
| Chairperson | Prof Ochanda Ogola | Mark Penter | Dr Rianto van Antwerpen | Dr James Allemann |
| Venue | MegaVu | Smugglers | Ratanga Officers Club | Spice Island |
| 15:40 – 16:00 | Ndayisaba - Comparative effect of desmodium on maize growth and yield after fifteen years of experiments | Matafeni - Rooting of rose-scented geranium cuttings as affected by growing media and rooting hormones | Lukashe - Inoculation of fly ash amended vermicompost with phosphate solubilizing bacteria (<i>Pseudomonas fluorescens</i>) improves vermi-degradation, nutrient release and biological activity | Allemann - Impact of drought on the allelopathic effects of Amaranth |

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| 16:00 – 16:20 | Dunjana - Opportunities for soil fertility management in a small holder maize-tobacco farming system. A case of Svosve communal area, Zimbabwe | Pulela - Yield and quality of sweet melon cultivars grown in hydroponics system | Gobozi - Evaluation of organic smallholder farmer soil amendment practices on soil fertility, broccoli yields and mineral nutrients | Nienaber - Tolerance of South African wheat cultivars to post-emergence herbicide application |
| 16:20 – 16:40 | Chichongue - Effects of tillage practices and cropping systems on maize grain yield in Mozambique | Matafeni - Effect of healing period on rooting response of rose-scented geranium cuttings | Masowa - Assessment of phyto-toxicity and physico-chemical properties of co-composted winery solid waste using effective microorganisms inoculant | Mzimela - An investigation into the combined use of an entomopathogenic fungus and botanical insecticide for control of the Russian wheat aphid on wheat |
| 16:40 – 17:00 | Nguenha - Effectiveness of polyethylene container and airtight bags on maize grain storage for smallholder farmers in Mozambique | Huma - Effect of leaf harvesting frequency on yield parameters of four swiss chard (<i>Beta vulgaris</i>) cultivars | Muzangwa - Influence of tillage, crop rotation and residue management on soil microbial biomass carbon and selected soil enzyme activities in two ecotopes of the Eastern Cape Province | Motholo - Impact of insect host-background on virulence of <i>Beauveria bassiana</i> (Hypocreales: Cordycipitaceae) to Russian wheat aphid |
| 17:00 – 17:20 | Oluwafemi - Preliminary results on the chemical ecology of maize, maize streak virus and <i>Cicadulina</i> vector interactions | Bertling - Effect of moringa leaf extract on growth and development of swiss chard and parsley | Matlabane - Soil fertility status of Eastern Cape soils analyzed at Dohne Agricultural Development Institute, Eastern Cape Province of South Africa | Lebea - Tomato yield and early blight incidence in response to cultivar and irrigation management practices in the Giyani municipality |
| 19:00 - Late | Cocktail function | | | |

Tuesday 16 January 2018

| Time | Event | Venue |
|--------------------------------------|---------------|-----------------------------------------------------------------------------------------|
| 08:00 – 08:15 | Registration | Ratanga Junction |
| PLENARY SESSION | | |
| Keynote address – Walled City | | |
| 8:15 – 8:45 | SASCP keynote | Dr André Nel - Sustainable crop systems for food security in South Africa |
| 8:45– 9:15 | SSSSA keynote | Dr Johan van Zyl – The nexus between soil, water and food: A sustainability perspective |

| SESSION 3 - Tuesday 16 January 2018 | | | | |
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| Subject | Agronomy –Climate change | Physiology | Soil technology | Post-harvest biology |
| Chairperson | Dr Peterson Niero | Dr Esmé Louw | Dr Cobus Botha | Dr Nhlanhla Mathaba |
| Venue | MegaVu | Smugglers | Ratanga Officers Club | Spice Island |
| 9:20 – 9:40 | Mapumulo - Subsistence farmers in Msinga Municipality use conservation agriculture to mitigate climate change in KwaZulu Natal | Van der Loo - Pre breed screening for Naringin and Naringenin content in grapefruit | Du Plessis - An electronic decision support system to determine the site-specific fitness-for-use of irrigation water | Cronje - Effect of irradiation levels on internal and external citrus fruit quality |
| 9:40 – 10:00 | Ooro - Climate smart agriculture through cropping sequence to enhance water and nutrient use efficiency of wheat for food security | Stander - Insights into alternate bearing in <i>Citrus</i> spp. | Elephant - The estimation of reserve-K and K immobilization using mid infrared spectroscopy and multiple linear regressions | Baloyi - Effect of harvest time, dehydration plus waxing and storage temperature on non-chilling and chilling rind physiological disorders of 'Benny' valencia citrus fruit |
| 10:00 – 10:20 | Namugwanya - Nitrogen fixation and ureide production under drought conditions in low phosphorus tolerant common bean genotypes | Botes - 'Nadorcott' mandarin fruit development and the influence of 20% white shade nets thereon with emphasis on fruit quality parameters | Paterson - Properties of stockpiled soils on south african coal mines | Olarewaju - Role of canopy position on physicochemical properties of 'Marsh' grapefruit during non-chilling postharvest cold storage |
| 10:20 – 10:40 | Lekalakala - Calibration and validation of the APSIM model to simulate climate smart practices under dryland maize production: Model evaluation and application | Banda - Water use of 'Midnight' valencia orchards in the winter rainfall region of South Africa | Kgopa - <i>Escherichia coli</i> counts in treated wastewater and borehole water used for irrigation at University of Limpopo experimental farm | Griessel - Reversing Initial Low Oxygen Stress (ILOS), a new way to control scald on Granny Smith |
| 10:40 – 11:00 | TEA – | | | |
| SESSION 4 – Tuesday 16 January 2018 | | | | |
| Subject | Agronomy – Crop improvement | Physiology | Soil chemistry & sciences | Rural socio-economics |
| Chairperson | Dr Sanesh Ramburan | Pippa Karsen | Dr Ailsa Hardie | Dr Moses Osiru |
| Venue | MegaVu | Smugglers | Ratanga Officers Club | Spice Island |
| 11:00 – 11:20 | Mkhabela - Genetic diversity of selected drought tolerant wheat genotypes assessed through simple sequence repeat markers | Masemola - Effect of irrigation and nitrogen supply on canopy development, marketable yield and free proline content in African nightshade (<i>Solanum retroflexum</i>) | Sukati - High density sludge from acid mine water neutralization in the Mpumalanga coalfields: a hazardous waste or agricultural resource? | Lagerkvist - Food security & resilience of crop production systems in urbanizing arid & semi-arid zones: a systematic review of the literature |
| 11:20 – 11:40 | Mokgakala - Illumina sequencing and characterization of methylated regions in the cactus pear (<i>Opuntia ficus-indica</i>) genome | Nkolisa - Development and evaluation of an evaporative cooling system for storage of tomatoes (<i>Solanum lycopersicum</i>) | Adams - Lipid humification by soil minerals | Ssemakula - Bridging the extension gap: fast tracking access to improved sweetpotato varieties through schools in Uganda |
| 11:40 – 12:00 | Dube - Genetic variation and heritability of traits among <i>Corchorus</i> species | Ngcobo - Potential of pre- and postharvest illumination of cherry tomato, a climacteric fruit, to reduce the ripening period and enhance quality while maintaining shelf life | Zizo - Evaluating soil acidification in active cropping projects of the Eastern Cape using analytical results | Mutatisse - Empirical research on food supply chain management: a background of Mozambican agriculture and case studies in Japanese agriculture |

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| 12:00 – 12:20 | Vilane - evaluation of sixteen groundnut varieties for tolerance to soil acidity in Mpumalanga and Kwazulu – Natal provinces | Buthelezi - Effect of supplemented potassium fertilizer on fruit growth, development and quality of summer squash (Patty pan) | Mitchell - Translating soil type into millions: a sweet success story in a rural sugarcane community in South Africa | Mahagayu - Production challenges to wheat systems in semi arid Narok County, Kenya |
| 12:20 – 12:40 | Orawu - Stability of cowpea genotypes for yield potential and disease resistance in diverse agroecologies of Uganda | Gatabazi - Growth, yield and quality response of two ginger species to different nitrogen application rates | Lupwayi - Nitrogen release from decomposing legume crop residues over three subsequent crops | |
| 12:40 – 13:25 | LUNCH – | | | |
| SESSION 5 - Tuesday 16 January 2018 | | | | |
| Subject | Agronomy – Crop protection | Nutrition & water management/ Crop nutrition & water/Agronomy | Horticulture crop protection | Post-harvest biology |
| Chairperson | Prof Lum Fontem | Dr Nicky Taylor | Dr Sunette Laurie | Dr Xolani Siboza |
| Venue | MegaVu | Smugglers | Ratanga Officers Club | Spice Island |
| 13:25 – 13:45 | Jankielsohn - Factors affecting the decline of russian wheat aphid (<i>Diuraphis noxia</i>) in wheat production areas of South Africa | Van Vuuren - Evaluating the effect of three commercial nitrogen formulations on fruit tree physiology, quality and yield of 'Rosy Glow' apples | Dube - Ineffectivity of nematode post-exposure to phytonematicide | Mathaba - Avocado 'Hass' fruit skin colour change conundrum: A South African fruit case study |
| 13:45 – 14:05 | Njuguna - Effects of stem rust and Russian wheat aphid on wheat grain yield and quality of wheat in Kenya | Volschenk - Irrigation management of apple orchards in sandy soil in two western Cape water management areas | Malebe - Response of nightshade plant growth to nemarioc-ag and nemarioc-al phytonematicides under field conditions | Sibuyi - Effect of tree girdling, harvest time and ripening temperature on skin colour development of 'Hass' avocado fruit |
| 14:05 – 14:25 | Figlan - Screening for adult plant resistance to leaf rust in a newly developed wheat recombinant inbred line population | Smit - Water use dynamics of macadamia orchards | Ntidi - Amaranths: an alternative and perspective crop with special reference to nematode pests | Malahlela - Effect of UVASYS SO ₂ impregnated sheets and perforated packaging materials on quality and shelf-life of litchi cultivars |
| 14:25 – 14:45 | Kamota - Host status of leguminous crops towards root knot nematodes | Sebati - Influence of container type and positioning on the efficacy of biomuti on growth of tomato plants | Makhwedzhana - Resistance mechanism to <i>Meloidogyne incognita</i> race 2 in sweet potato cultivar 'Bosbok' | Raphalalani - Effect of processing and heat treatment on beta carotene and total phenolic content in 'Monate' sweet potato |
| 14:45 – 15:05 | Oluwafemi - First report of antennal responses of <i>Cicadulina</i> leafhopper-vector to volatile profiles of healthy and maize streak virus diseased plants | Rammone - Interactive effects of location and harvesting times on physical properties of <i>Mimusops zeyheri</i> fruit | Thopola - Influence of priming potato planting tubers using phytonematicides solutions on nematode suppression in potato production | Lodama - Effect of storage on the total phenolic and flavonoid content of some sweet potato cultivars |
| 15:05 – 15:25 | Sefefe - Effects of Nemarioc-AG phytonematicide on growth of potato as pre-emergence application | Mwije - Sunburn incidence and polyphenol patterns as influenced by boron plus calcium foliar applications in 'Cripps pink' apple | Mulandana - Host-status and host-sensitivity of potato cultivars BP1 and Buffelspoort to <i>Meloidogyne javanica</i> and <i>Meloidogyne incognita</i> race 2 under greenhouse and micro plot conditions | Ngcangatha - The influence of extraction techniques on the chemical composition and yield of essential oils from <i>Pelargonium</i> cv Rose |
| 15:25 – 15:45 | TEA - | | | |

SESSION 6 - Tuesday 16 January 2018

| Subject | Agronomy – Crop production | Physiology | Soil genesis, classification & mapping/Crop nutrition | Agronomy - various |
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| Chairperson | Prof Sunday Oluwafemi | Dr Paul Cronje | Dr Cathy Clarke | Dr Linus Franke |
| Venue | MegaVu | Smugglers | Ratanga Officers Club | Spice Island |
| 15:45 – 16:05 | Adigbo - Tailoring triple crops of rice-rice-vegetable sequences in rainfed Sawah rice based technology to farmers' field condition | Laurie - The influence of drought on the relationship of various parameters in sweet potato | Paterson - Soil Classification: a revised system for Natural Soils | Mmotong Obed - Use of local language words in a seasonal climate forecast ... Sepedi |
| 16:05 – 16:25 | Mapumulo - Intercropping: Taro, cowpea and wild mustard with addition of vermicompost to improve yield | Mudau - The effects of various wax treatments on 'Fuji' apples stem-end micro-cracking | Barichievy - Evaluating soil and terrain variables in a production environment: implications for agricultural land assessment | Maleka - Response of nematode resistant sweet stem sorghum 'Ndendani-X1' when infected by red aphids under microplot conditions |
| 16:25 – 16:45 | Mohale - Quality assessment of bush tea (<i>Athrixia phyllicoides</i> DC.) subjected to different pruning levels | Kritzinger - Quantification of lenticels in Japanese plum cultivars and their effect on peel water vapour permeance | Osborne - Spatial variation in soil characteristics and field trial design | Kola - Sensitivity of Nemaoric-AL and Nemafric-BL phytonematicides on selected essential nutrients elements in leaf tissues of cowpea (<i>Vigna unguiculata</i>) under greenhouse conditions |
| 16:45 – 17:05 | Mpai - Nodulation of tropical grain legumes by bacterial symbionts from the Cape fynbos, South Africa | Arabi - Effect of phenolic compounds and seedcoat thickness of 'Hass' and 'Fuerte' avocado (<i>Persea americana</i> Mill.) on seed germination | Dinwa - Development and optimisation of a technique to determine the water dispersible clay in soils | Esan - Evaluation of four sweet potato (<i>Ipomea batatas</i> L.) varieties for yield and yield related components in Iwo, Osun State |
| 17:05 – 17:25 | Tivana - Evaluation of replacement of maize by cassava and the particles hand aggregation for poultry feed formulation | Penter - Progress in understanding and addressing macadamia kernel discolouration | Jovanovic - Sustainability of water abstraction from sand river beds for irrigation on emerging farms in the Limpopo Province | Savala - Physiological characteristics affecting water use efficiency and yield of inoculated soybean in southern Africa |
| 19:00 - Late | BRAAI | | | |

Wednesday 17 January 2018

| Time | Event | Venue |
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| 8:00 – 08:15 | Registration | Ratanga Junction |
| PLENARY SESSION | | |
| Keynote address – Walled City | | |

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| 8:15 – 8:45 | SAHSS | Prof Bhimanagouda Patil – Challenges and Opportunities for Human Health Properties of Produce | | |
| 8:45 – 9:15 | SAWSS | Dr Lewis Ziska - Climate, CO ₂ and Weed Biology: The Good, The Bad, and the Ugly | | |
| SESSION 7 - Wednesday 17 January 2018 | | | | |
| Subject | Crop production | Agronomy, Hort production & cultivation practices | Crop modelling/production | Crop protection/Post harvest biology |
| Chairperson | Prof Luisa dos Santos | Dr Elli Hajari | Dr Nebo Jovanovic | Dr Pieter Swanepoel |
| Venue | MegaVu | Smugglers | Ratanga Officers Club | Spice Island |
| 9:20 – 9:40 | Osborne - Spatial variation, bias and experimental design in agronomic field trials: a case study of a farming systems trial in the Western Cape province of South Africa | Jokazi - Potato (<i>Solanum tuberosum</i>) yield in response to paclobutrazol application at different planting dates | Mangwende - Evaluation of APSIM to simulate water and nitrogen dynamics in wheat cropping systems | Mwangi - Reproduction of potato cyst nematodes on tissue culture potato plants/ |
| 9:40 – 10:00 | Ramburan - From laboratory to field – assessing the impact of tissue culture propagation on the agronomic performance of sugarcane | Rabie - The effect of lime application on soil pH as well as the growth and yield of queen pineapple | Njeru - Climate smart agriculture adaptations technologies towards drought tolerant crops on climate change resilience in Kirinyaga county | Luvhengo - Biocontrol of selected <i>Fusarium</i> species using medicinal plant extracts |
| 10:00 – 10:20 | Chibarabada - Yield, water use and productivity of selected grain legumes in a controlled environment | Hlerema - Determination of the effect of paclobutrazole application on the biomass, root yield and beta-carotene content of sweet potato | Rusere - A participatory approach for exploring options for ecological intensification to improve food security and agricultural sustainability: A perspective of South African smallholder agriculture | Olaniji - Effects of storage methods on sprouting and nutritional quality of ginger (<i>Zingiber officinale</i> ROSC) rhizomes in different storage periods |
| 10:20 – 10:40 | Poster Session 2 | Viewing of posters 66 - 130 | | |
| 10:40 – 11:00 | TEA – | | | |
| SESSION 8 – Wednesday 17 January 2018 | | | | |
| Subject | Agronomy - Crop production | Indigenous and medicinal plants | Agrometeorology | Crop protection |
| Chairperson | Dr Gert Ceronio | Dr Karin Hannweg | Prof John Annandale | Prof Pathu Mashela |
| Venue | MegaVu | Smugglers | Ratanga Officers Club | Spice Island |
| 11:00 – 11:20 | Seetseng - Agronomic efficiency and partial factor productivity of <i>Amaranthus tricolor</i> L. as affected by nitrogen application rates | Joko - The effect of seeding depth and growing media on <i>Aloe ferox</i> seed germination | Machakaire - Eddy covariance techniques to quantify dry matter production and evapotranspiration in potato-maize system | Huma - Pre-emergent application effects of Nemafric-BG phytonematicide on growth of potato cultivar 'Mondial G3' and suppression of <i>Meloidogyne javanica</i> |
| 11:20 – 11:40 | Haarhoff - A global review of plant density effects on maize yield | Hlatshwayo - Seed germination and in vitro propagation of <i>Aloe reitzii</i> - an endemic and threatened ornamental species | Mbangiwa - Carbon dioxide and water vapour exchange over rainfed maize canopy | Makwapana - Efficacy of Nemarioc-AL phytonematicide as influenced by container type and position on growth of tomato plants |

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| 11:40 – 12:00 | Ogola - Chickpea-based cropping systems for sustainable crop productivity in a changing environment | Makgato - Influence of harvesting time and rhizobium inoculation on primary and secondary metabolites of Cancer bush (<i>Lessertia frutescens</i> (L.) R.Br.) | Walker - Providing farmers with useful climate information | Sebothoma - Mean concentration stimulation point (MCSP) and sensitivity of Nemarioc-AL phytonematicide on sweet potato cultivar 'Bophelo' |
| 12:00 – 12:20 | Neethling - developing nitrogen fertiliser management strategies for wheat under conservation agriculture practices in the Western Cape, South Africa | Nkuna - Sodium tolerance in <i>Mimosa zeyheri</i> seedlings under chloride salinity | Franke - Poor farmers – poor yields: socio-economic, soil fertility and crop management indicators affecting climbing bean productivity in northern Rwanda | Selomo - Non-phytotoxic concentration of Nemafric-BL phytonematicide and overall sensitivity of sweet potato cultivar 'Bophelo' |
| 12:20 – 12:40 | Swanepoel - Nematode community structure of kikuyu-based dairy pastures | Sokombela - The effect of nitrogen and phosphorus application rates on chemical composition, growth and yield of <i>Moringa oleifera</i> | Mtyobile - Tillage and crop rotation effects on biomass and crop yield at Alice Jozini ecotope, Eastern Cape, South Africa | Bango - Overall sensitivity of tomato cv. 'Floradade' to Nemarioc-AL phytonematicide under field conditions |

12:40 – 18:00

EXCURSIONS (Lunch parcels will be provided) –

Thursday 18 January 2018

| Time | Event | Venue |
|--------------|--------------|------------------|
| 8:00 – 08:20 | Registration | Ratanga Junction |

SESSION 9 - Thursday 18 January 2018

| Subject | Crop improvement and physiology | Indigenous and medicinal plants | Agrometeorology/Agricultural economics | Agronomy - crop protection |
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| Chairperson | Dr Juan Vorster | Dr Riana Kleynhans | Dr Johann Strauss | Annelie de Beer |
| Venue | MegaVu | Smugglers | Ratanga Officers Club | Spice Island |
| 8:20 – 8:40 | Dyafta - Rose-scented geranium (<i>Pelargonium</i> spp.) essential oil as influenced by herbage drying and drying method | Amoo - African leafy vegetables as a weapon for food and nutritional security: a case of <i>Cleome gynandra</i> | Labuschagne - Conventional vs conservation agriculture in the Western Cape: the truth lies in statistics | Visser - Biological pathways of infestation by the fall armyworm and tomato leafminer |
| 8:40 – 9:00 | Mlambo - Effects of fruit maturity stage and time of soaking on seed germination and crop establishment of horned melon (<i>Cucumis metuliferus</i> E. Mey. ex. Schrad). | Shadung - Effect of different storage conditions on Cucurbitacin A from <i>Cucumis myriocarpus</i> fruit over time | Du Toit - Developing nitrogen fertiliser management strategies for canola (<i>Brassica napus</i>) under conservation agriculture practices in the Western Cape | Terefe - Diversity in <i>Puccinia triticina</i> on wheat and triticale in South Africa |
| 9:20 – 9:40 | Dada - Effects of different rates of poultry manure and NPK 15-15-15 fertilizer on growth and yield of sunflower | Mabotja - Nutritional value and bioactive property of spineless cactus pear | Seetseng - Combined use of synthetic nitrogen and vermicompost as a strategy for reducing negative soil nutrient imbalance in vegetable production | Moremi - Response of tomato plant growth to dried crude extracts of <i>Kleinia longiflora</i> |

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| 9:40 – 10:00 | MacAlister - Photosynthesis and chlorophyll concentrations in rooibos grown under high temperatures in the field | Hannweg - The Warburgia Story: inter-disciplinary approaches addressing extinction concerns | Mbangcolo - Effect of soil and foliar applied nitrogen topdressings on grain yields and quality parameters of spring wheat (<i>Triticum aestivum</i> L.) | Mokhoelele - Nemafric-BL phytopesticide as alternative to synthetic insecticide in the management of <i>Pseudococcus citri</i> on <i>Mimusops zeyheri</i> |
| 10:00 – 10:20 | Dada - Performance of upland rice (<i>Oryza sativa</i> L.) as influenced by compost, NPK fertilizer and nitrogen fixed by cowpea | Mpambani - Cis- and trans-Thujone compounds found in African wormwood (<i>Artemisia afra</i>) in different agro-climatic zones of the Eastern Cape, South Africa | Wutu - The effect of drying methods and storage on nitrogen composition of top soil samples at Döhne Agro-Blocks, Eastern Cape, South Africa | Madaure - Influence of Nemarioc-AL phytonematicide on survival of entomopathogenic nematode <i>Steinernema feltiae</i> |
| 10:20 – 10:40 | TEA - | | | |
| SESSION 10 – Thursday 18 January 2018 | | | | |
| Subject | Agronomy - Crop physiology | Horticulture | Agricultural extension, education and economics/ Rural development | Biotechnology, breeding & propagation |
| Chairperson | Dr Elmarie van der Watt | Dr Zelda Bijzet | Prof Sue Walker | Louisa Blomerus |
| Venue | MegaVu | Smugglers | Ratanga Officers Club | Spice Island |
| 10:40 – 11:00 | Amoo - Antifungal activity of medicinal plant extracts against <i>Fusarium</i> species: alternative bio-pesticides for smallholder farmers | Maila - Accumulation of proanthocyanidin concentration levels in <i>Cleome gynandra</i> leafy vegetable | Wanderi - Experience on integrated seed system approach in Central and Eastern Kenya | Mabirimisa - The effect of long-term storage temperatures on pollen viability and germination of four litchi (<i>Litchi chinensis</i> sonn) cultivars |
| 11:00 – 11:20 | Mabhaudhi - Water use and water use efficiency of maize landrace–bambara groundnut–dry bean intercrop system | Poly-Mbah - Effects of poultry manure rates on some growth attributes of cucumber in Owerri, South Eastern Nigeria | Proscovia - Does market production affect technical efficiency? A food-cash crop in a subsistence farming system in Western Uganda | Bijzet - Cultivar evaluation relying on genotype main effect vs GxE analysis for “Valencia” yield and quality |
| 11:20 – 11:40 | Kibido - Influence of drought on symbiotic performance during soybean (<i>Glycine max</i>) nodule development | Esan - Effects of organic and inorganic fertilizers on garden eggplant (<i>Solanum melongena</i>) | Laurie - The food value chain environment for incorporating orange-fleshed sweet potato in the local diet | Crosby - 21st Century melon breeding |
| 11:40 – 12:00 | Katengeza - Performance of drought tolerant maize varieties under rainfall stress in Malawi | Le Roux - Xylem functionality in developing fruitlets of different apple cultivars | Olatidoye - Development and evaluation of ready to eat (RTE) extruded snack using wheat-coconut composite flour | Hajari - Molecular characterisation of litchi |
| 12:00 – 12:20 | Akuja - Rhizobial specificity and nodulation in legumes under drought conditions in the semi-arid county of Kitui in lower Eastern Kenya | Makonya - Physiological traits for identifying drought tolerant genotypes in Chickpea (<i>Cicer arietium</i> L.; Fabaceae) | Osiru - Opportunities for a knowledge led development strategy for Africa: RUFORUM's 2030 Strategy | Karsen - Rooting as affected by the biochemical profile of honeybush (<i>Cyclopia</i> spp.) cuttings |
| 12:20 – 12:40 | Ahmed - Gametoclonal variation in Egyptian bread wheat (<i>Triticum aestivum</i> L.) | | | Gathaara - Farmers' knowledge and perceptions of genetically modified (GM) cassava in Kenya |
| 12:40 – 13:25 | LUNCH - | | | |

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| 13:25 – 14:00 | | WALLED CITY SACNASP |
| 14:00-14:15 | SAPSSC | all SASC. SSSSA. SASHS and SASWS members |
| 14:15 – 14:45 | TEA - | |

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| ANNUAL GENERAL MEETING | | | | | |
| 14:45 – 16:00 | SASCP – MegaVu | SASHS – Smugglers | SSSSA – Ratanga Officers Club | SAWSS – Spice Island | ACSS – Walled City |
| 19:00 – Late | GALA DINNER – WALLED CITY | | | | |