



## COMBINED CONGRESS – WILDERNESS JANUARY 2024 - PROGRAMME

	<b>PROGRAMME</b>
<b>TIME SLOTS</b>	<b>23-JAN-24</b>
11H00 TO 12H30	SAPSCC MEETING
12H30 TO 13H30	LUNCH FOR SOCIETY BORDS
14H30	SOCIETY MEETINGS
15H00 TO 18H00	REGISTRATION
15H00 TO 18H00	PUT UP POSTERS
15H00 TO 18H00	UPLOAD TALKS

Time slots	Programme		
	23-Jan-24		
07h00 to 8h30	Registration		
09h00 to 10h00	Keynote SSSSA - Prof C van Huysteen		
10h00 to 10h30	Tea/Coffee		
10h30 to 13h00	Session 1		
	<b>Crops - Conservation Agriculture</b>	<b>Soils - Soil biology</b>	<b>Horts - Post-harvest biology</b>
<b>Session Chair</b>	Dr Johann Strauss	Dr. Corrie Swanepoel	Isa Bertling
<b>10h30</b>	INCIDENCE OF MYCOTOXINS IN MAIZE GROWN UNDER CONSERVATION AGRICULTURE PRACTICES ON SMALL SCALE FARMER FIELDS IN KWAZULU-NATAL - Belinda Janse Van Rensburg	EVALUATION OF THE MICROBIOMETER® FIELD TEST KIT FOR SOIL BIOLOGY IN THREE DIFFERENT SOILS OF THE WESTERN CAPE PROVINCE - <i>Anélia Marais</i>	EFFECTS OF PRE- PLUS POST-HARVEST APPLICATION OF PLANT EXTRACTS ON THE POST-HARVEST QUALITY OF POTATOES (SOLANUM TUBEROSUM L.) KEPT UNDER AMBIENT STORAGE CONDITIONS - <i>Bonga Lewis Ngcobo</i>
<b>10h50</b>	PRODUCING VEGETABLES IN A CONSERVATION AGRICULTURE SYSTEM: EFFECTS ON SOIL HEALTH AND CROP PRODUCTIVITY <i>Beatrix Alweendo</i>	METAGENOMICS EVALUATION OF THE COMMUNITY PROFILE AND FUNCTIONAL DIVERSITY OF ROOT MICROBIOME IN LETTUCE (LACTUCA SATIVA L.) VARIETIES, A SHOTGUN APPROACH - Akinlolu Olalekan Akanmu	USING XANTHAN GUM COATINGS AS CARRIERS OF PROBIOTIC BACTERIA TO RETAIN POSTHARVEST QUALITY AND ANTIOXIDANTS IN CANTALOUPE SLICES (Cucumis melo L.) - Tshudufhadzo Chikhala
<b>11h10</b>	EFFICACY EVALUATION OF SPRAY PROGRAMMES FOR THE CONTROL OF GLYPHOSATE RESISTANT CONYZA SPECIES UNDER CONSERVATION AGRICULTURE - <i>Maryke Craven</i>	AFLATOXINS IN SOIL ECOSYSTEMS: DEFINING ITS FATE AND TOXICOLOGICAL RISK TO SOIL ORGANISMS - Tanya Fouche	FRUIT FIRMNESS: A NEW METHOD TO DETERMINE CITRUS QUALITY? - Marli Kleyn
<b>11h30</b>	THE IMPACT AND PERCEPTION OF MAIZE SMALLHOLDER AND SEMI COMMERCIAL FARMERS ON CLIMATE CHANGE IN SEMI-ARID AREAS OF NORTH WEST, SOUTH AFRICA - <i>Vusimuzi Alson Ngcobo</i>	STRUCTURAL AND FUNCTIONAL DIVERSITIES OF MICROBIAL COMMUNITIES OF GLYCINE MAX L RHIZOSPHERE SOIL FROM FREE STATE, SOUTH AFRICA - <i>Ayansina Ayangbenro</i>	THE IMPACT OF POSTHARVEST TREATMENTS ON THE INCIDENCE OF CHILLING INJURY IN SWEET ORANGES (CITRUS SINENSIS) IN CITRUSDAL, SOUTH AFRICA - <i>Heinrich Geldenhuys</i>
<b>11h50</b>	REGENERATIVE AGRICULTURE VS CONSERVATION AGRICULTURE: EFFECTS ON SOIL QUALITY AND CROP PRODUCTIVITY - <i>Guy Musto</i>	ASSESSING THE IMPACT OF VARIOUS PRESCRIBED FIRE FREQUENCIES ON SOIL BACTERIAL DIVERSITY AND COMPOSITION IN THE SEMI-ARID SAVANNA RANGELANDS - <i>Sanele Poswa</i>	OLEOCELLOSIS: WHY HAS THE CONTROL THEREOF NOT BEEN RESOLVED? - <i>Johane Niemann</i>
<b>12h10</b>	CROPPING SYSTEMS CAN IMPROVE PROFITABILITY ON LOWER NITROGEN APPLICATIONS - <i>Rens Smit</i>	IMPACT OF ACCUMULATED PATHOGENIC BACTERIA FROM TREATED WASTEWATER ON SELECTED FERTILITY VARIABLES AND BENEFICIAL BACTERIA IN AGRICULTURAL SOIL - <i>Patience Ntimbane</i>	IMPACT OF PREHARVEST ETHEPHON FOLIAR SPRAY ON THE POSTHARVEST FATTY ACID PROFILE AND DIETARY INDICATORS OF MACADAMIA NUTS - Noluthando Aruwajoye
<b>12h30</b>	THE NITROGEN AVAILABILITY IN SOIL FOLLOWING LEGUME CROPS AND THEIR EFFECT ON THE FOLLOWING CROP - <i>Hanneke Augustyn</i>	COMPARISON OF NUTRIENT USE EFFICIENCIES IN CITRUS UNDER DIFFERENT FERTILIZATION AND IRRIGATION MANAGEMENT PRACTICES - <i>Imaan Parker</i>	GREEN SYNTHESIS OF ZINC OXIDE NANOPARTICLES USING MORINGA OLEIFERA LEAF EXTRACT AND ITS ANTIFUNGAL EFFECT AGAINST COLLETOTRICHUM GLOEOSPORIOIDES IN AVOCADO - <i>Sibonelo Ngubane</i>
<b>12h50</b>	EXTENT OF SOIL ACIDITY IN NO-TILLAGE SYSTEMS IN THE WESTERN CAPE PROVINCE OF SOUTH AFRICA - Adriaan Liebenberg		
<b>12h50 to 13h10</b>	Lunch		

<b>Session 2</b>			
	<b>Crops - Conservation Agriculture, Biofuels, Crop breeding &amp; Adaptation &amp; Weed management &amp; Herbicides &amp; Biofuel</b>	<b>Soils - Technology &amp; Policy</b>	<b>Hort production &amp; cultivation practices</b>
<b>Session Chair</b>	Dr Pieter Swanepoel	Dr. Cathy Clark	Mark Penter
<b>13h30 to 13h50</b>	EVALUATION OF THE DSSAT-CERES MAIZE MODEL IN ESTIMATING YIELD IN SOUTH AFRICA'S NORTH WEST PROVINCE - <i>Christopher Rankin</i>	SOUTHERN AFRICAN SOIL, LAND COVER AND WEATHER GENERATOR FILE DATABASES FOR SWAT APPLICATIONS - <i>Jay le Roux</i>	ENHANCING NUTRITIONAL AND PHYSIOLOGICAL QUALITY OF SWEET PEPPER FRUIT THROUGH INCORPORATING BIOSTIMULANT, ORGANIC, AND INORGANIC FERTILIZERS - <i>Siyabonga Dlamini</i>
<b>13h50 to 14h10</b>	CONSERVATION AGRICULTURE IN VEGETABLE SYSTEMS: A NEW HORIZON FOR SOIL HEALTH? - <i>Jade Andrews</i>	COUNTRIES' RIO CONVENTION COMMITMENTS RELATED TO THE SOIL INITIATIVE FOR AFRICA FRAMEWORK - <i>Liesl Wiese-Rozanov</i>	DETERMINING EFFECTIVE POLLINATION PERIOD (EPP) FOR PLUM CULTIVARS IN SOUTH AFRICA - <i>Louisa Blomerus</i>
<b>14h10 to 14h30</b>	LONG-TERM CONSERVATION AGRICULTURE ECONOMIC EFFECTS ON THE ENVIRONMENT - <i>Johann Strauss</i>	THE APPROACH TOWARDS A LAND CAPABILITY ASSESSMENT - <i>Anneliza Collett</i>	THE EFFECTS OF N-(2-CHLORO-4-PYRIDYL)-N'-PHENYLUREA (CPPU), AND THE COMBINATION OF CALCIUM AND BORON ON FRUIT CRACKING DISORDER OF 'EARLY DELIGHT' LITCHI FRUIT - <i>Nicolaas Roets</i>
<b>14h30 to 14h50</b>	ALTERNATIVE HERBICIDES FOR THE CONTROL OF GLYPHOSATE-RESISTANT AMARANTHUS HYBRIDUS (SMOOTH PIGWEED) IN RSA - <i>Nhlanhla Shabangu</i>	AGRICULTURAL ASSESSMENT REGULATIONS AND THEIR REAL-WORLD APPLICATION - <i>Darren Bouwer</i>	PROPAGATION OF JUNCUS LOMATOPHYLLUS: A JOURNEY WITH WATER PLANTS - <i>Riana Kleynhans</i>
<b>14h50 to 15h10</b>	INVESTIGATING HERBICIDE RESISTANCE IN LOLIUM SPP. - <i>Louise Bestbier</i>	LOCAL IS LEKKER: WHY WE NEED LOCALLY CALIBRATED SOIL SPECTROSCOPIC PREDICTION MODELS - <i>Anru-Louis Kock</i>	EFFECT OF SMOKE-WATER TYPE AND CONCENTRATION ON GERMINATION AND SEEDLING VIGOUR OF CEREAL RYE, ONION AND GAZANIA - <i>Isa Bertling</i>
<b>15h10 to 15h30</b>	IDENTIFICATION OF QUANTITATIVE TRAIT LOCI (QTLs) REGULATING SEED VIGOUR AND COLEOPTILE LENGTH IN OLD SEED OF TUGELA-DN x ELANDS DOUBLED-HAPLOID (DH) POPULATION OF BREAD WHEAT - <i>Thobeka Philile Khumalo</i>	ALPINE WETLAND DEGRADATION IN THE NORHTERN MALOTI-DRAKENSVERG: ON THE NEED FOR BASELINE RESEARCH - <i>Johan van Tol</i>	DO NUT MATURITY, NUT DEVELOPMENT AND MINERAL NUTRITION PLAY A ROLE IN THE DEVELOPMENT OF THE SKIN ADHERENCE DISORDER IN MACADAMIA (CV. 'NELMAK 2')? - <i>Karin Hannweg</i>
<b>15h40 to 16h00</b>	Tea break		

<b>Session 3</b>			
	<b>Crops - Crop Production</b>	<b>Soils - Soil genesis, classification &amp; mapping</b>	<b>Horts - Indigenous and medicinal plants</b>
<b>Session Chair</b>	Dr Magdeleen  Cilliers	Prof Johan van Tol	Louisa Blomerus
<b>16h00</b>	DRY MATTER ACCUMULATION, TRANSLOCATION, AND YIELD OF WATER USE EFFICIENT MAIZE (WEMA) IN RESPONSE TO NITROGEN FERTILIZER AND PLANT DENSITY - <i>Abidemi Ruth Adebayo</i>	DEVELOPMENT AND EVALUATION OF NEW BIOPHYSICAL SCORING CLASSIFICATIONS FOR USE IN AGRICULTURAL LAND EVALUATION - <i>Kurt Barichiev</i>	INVESTIGATING THE EFFECT OF WATER STRESS ON GROWTH AND BIOCHEMICAL RESPONSES OF PELARGONIUM SIDOIDES - <i>Phila-Sande Ntoyi</i>
<b>16h20</b>	THE EFFECT OF DIFFERENT LED LIGHTS ON MORPHOLOGICAL PARAMETERS AND PHYTOCHEMICAL CONTENT OF RED MUSTARD MICROGREENS GROWN UNDER CONTROLLED CONDITIONS - <i>Noxolo Mbandlwa-Mthembu</i>	THE USE OF DIGITAL SOIL MAPPING (DSM) TO IMPROVE CONVENTIONAL SOIL MAPPING FOR PRECISION AGRICULTURE IN SOUTH AFRICA - <i>Jasper Dreyer</i>	ROSE-SCENTED GERANIUM (PELAGONIUM SPP.) ESSENTIAL OIL AS INFLUENCED BY HERBAGE DRYING AND DRYING METHOD - <i>Viwe Dyafta-Malima</i>
<b>16h40</b>	VESICULAR ARBUSCULAR MYCORRHIZAL FUNGI INFLUENCE ON GROWTH OF CANCER BUSH (SUTHERLANDIA FRUTESCENS) AND ALLEVIATION OF SALINE STRESS - <i>Tsobedi Absalom Masenya</i>	USING HYDROPEDOLOGY AS SOFT DATA TO REFLECT HYDROLOGICAL PROCESSES WITHIN SWAT+ - <i>Isadore Edward Smit</i>	SAFEGUARDING FOOD SECURITY THROUGH THE ADOPTION OF INDIGENOUS VEGETABLES IN THE EASTERN CAPE: A REVIEW - <i>Nangamso Mtamzeli-Cekiso</i>
<b>17h00</b>	EVALUATION OF THE AGRONOMIC PRACTICES OF BAMBARA GROUNDNUT PRODUCED BY SMALLHOLDER FARMERS IN MPUMALANGA PROVINCE, SOUTH AFRICA - <i>Peggy Chikwaza</i>	DIGITAL SOIL MAPPING ENABLES INFORMED DECISIONS TO CONSERVE SOILS WITHIN PROTECTED AREAS - <i>George Van Zijl</i>	CONSUMER ACCEPTANCE OF JAM FROM SELECTED INDIGENOUS FRUITS - <i>Karen De Jager</i>
<b>17h20</b>	SOYBEAN GROWTH PERFORMANCE AS AFFECTED BY PLANT DENSITY, ZINC ADDED TO PHOSPHORUS FERTILIZER SOURCE UNDER DIFFERENT ENVIRONMENTAL CONDITIONS - <i>Madille Benjamin Gonyane</i>	USING DIGITAL SOIL MAPPING METHODS FOR PRECISION AGRICULTURE - <i>Joaquim Gerales</i>	EFFECTS OF DIFFERENT SOIL SUBSTRATES ON GROWTH AND MINERAL COMPOSITION OF LESSERTIA FRUTESCENS L. (GOLDBLATT & J.C. MANNING) SEEDLINGS CULTIVATED UNDER GLASSHOUSE CONDITIONS - <i>Nokuthula Sithole</i>
<b>17h50</b>	<b>Poster session</b>		
<b>18h30</b>	<b>Cocktail</b>		

Time slots	Programme		
	24-Jan-24		
07h00 to 08h00	Registration		
	Session 4		
	Crops - Crop Production & Crop Quality	Soils - Soil fertility	Horts - Post-harvest biology
Session Chair	Dr Belinda Janse van Rensburg	Leushantha Mudaly	Estelle Kempen
<b>08h00</b>	EVALUATING THE CORRELATION BETWEEN THREE ASSESSMENTS OF PRE-HARVEST SPROUTING OF BREAD WHEAT - <i>Sandra Hull</i>	SOIL FERTILITY TRENDS IN THE SOUTH AFRICAN SUGARCANE SECTOR: A COMPREHENSIVE LOOK FROM 2017 TO 2022 - <i>Thandile Mdlambuzi</i>	CHANGES IN CAROTENOID AND METABOLITE PROFILES FROM LEAVES OF SIX CULTIVARS OF SWEET POTATO (IPOMOEA BATATAS L.) DURING LACTIC ACID FERMENTATION MAMAKGANA - <i>Florence Mashitoo</i>
<b>08h20</b>	SUNFLOWER RESPONSE TO PLANTING DATE AND NITROGEN FERTILIZATION - <i>Safia Madli</i>	THE EFFECTS OF SLAG & VESICULAR ARBUSCULAR MYCORRHIZA ON GROWTH AND YIELD OF SPINACH (FORDHOOK) - <i>Morakene Lambert Letsoalo</i>	EFFECT OF SUCROSE AND CALCIUM CHLORIDE PULSING ON EARLY SEASON 'HASS' AVOCADO FRUIT EXOCARP CHILLING INJURY AND COLOUR CHANGE DURING STORAGE AND RIPENING - <i>Nhlanhla Mathaba</i>
<b>08h40</b>	UNDERSTANDING CUCURBITACIN CONTROL OF ROOT-KNOT NEMATODES - <i>Zakheleni Dube</i>	SIX YEARS OF BUSH CLEARING OF COLOPHOSPERMUM MOPANE DEPLETES SOIL NUTRIENTS IN A SAVANNA GRASSLAND - <i>Vusi Sabela</i>	HISTOLOGY OF POTATO TUBERS DURING INFESTATION BY SOFT ROT BACTERIA - <i>Tlangelani Nghondzweni</i>
<b>09h00</b>	IMPROVED WHEAT YIELD IN CHALLENGING ENVIRONMENTS - <i>Vicki Tolmay</i>	UNDERSTANDING PHOSPHORUS FIXATION IN DIFFERENT SOIL TYPES - <i>Phumla Magagula</i>	THE EFFECT OF ORCHARD-APPLIED ETHEPHON ON POST-HARVEST MACADAMIA KERNEL QUALITY - <i>Mark Penter</i>
<b>09h20</b>	BIOLOGICAL CONTROL OF AFLATOXINS IN GROUNDNUT - <i>Bradley Flett</i>	SHORT-TERM TILLAGE, PLANTING DATE, CULTIVAR AND ROTATION EFFECTS ON GRAIN SORGHUM GROWTH ON SANDY SOILS IN TWO DIFFERENT CLIMATIC CONDITIONS IN SOUTH AFRICA - <i>Hlayisani Zacharia Mabasa</i>	POSTHARVEST APPLICATION OF PLANT-BASED EDIBLE WAX FOR DELAYING POTATO TUBER SPROUTING - <i>Juliet Manamela</i>
<b>09h40</b>	GLYPHOSATE RESISTANCE SURVEY OF CONYZA SPECIES AND HERBICIDE EFFICACY EVALUATION - <i>Maryke Craven</i>	PLANTING DATE, TILLAGE, AND CROP ROTATION EFFECTS ON THE GROWTH AND NUTRIENT USE OF TWO SORGHUM CULTIVARS GROWN ON SANDY CLAY LOAM SOILS IN SUB-HUMID AND SEMI-ARID REGIONS IN SOUTH AFRICA - <i>Kaya Mrubata</i>	DELAYING POTATO TUBER SPROUTING WITH ABSCISIC ACID CONTAINING SEAWEED EXTRACT KELPAK®: THE EFFECT ON SIFRA AND MONDIAL - <i>Sophia Koka</i>
<b>10h10 tot 11h10</b>	<b>Keynote SASCP - Dr Michael Walsh</b>		
<b>11h10 - 11h40</b>	Tea		

<b>Session 5</b>			
	<b>Crops - Crop Nutrition and Water &amp; Crop Modelling</b>	<b>Soils - Soil chemistry</b>	<b>Hort production &amp; cultivation practices &amp; Rural development</b>
<b>Session Chair</b>	Annemarie van der Merwe	Prof Alen Manyevere	Pippa Karsen
<b>11h40</b>	FACILITATING SUSTAINABLE MINE WATER IRRIGATION - <i>John Annandale</i>	NITRIFICATION RATE IN THE SOIL AS INFLUENCED BY WHEAT LANDRACE VARIETIES - <i>Michael Kidson</i>	EFFECT OF CALCIUM CYANAMIDE AS AN ALTERNATIVE NITROGEN SOURCE ON GROWTH, YIELD, AND NITROGEN USE EFFICIENCY OF SHORT-DAY ONION - <i>Zakhe Simelane</i>
<b>12h00</b>	POTATO TUBER QUALITY AND NITROGEN USE EFFICIENCY RESPONSES TO INTEGRATED NUTRIENT MANAGEMENT - <i>Jabulani Ntuli</i>	OXALATE SALT CONCENTRATIONS OF VEGETATION AND TERMITE FRASS IN THE GREATER CAPE FLORISTIC REGION OF SOUTH AFRICA - <i>Teneille Nel</i>	EVALUATING THE EFFECTS AND BENEFITS OF COVER CROPS IN CITRUS ORCHARDS - <i>Sibongiseni Silwana</i>
<b>12h20</b>	CROP RESPONSE TO IRRIGATION WITH UNTREATED AND PARTIALLY TREATED MINE WATERS - <i>Siboniso Magwaza</i>	CREATING A NEAR-INFRARED SPECTROSCOPY CALIBRATION ALGORITHM FOR SOIL ORGANIC CARBON CONTENT FOR SOUTH AFRICA - <i>Willie Cloete</i>	INFLUENCE OF EXOGENOUSLY APPLIED PLANT EXTRACTS ON GROWTH, PHYSIOLOGICAL AND YIELD PARAMETERS OF SUMMER SQUASH (CUCURBITA PEPO L.) - <i>Siphokuhle Mbuyisa</i>
<b>12h40</b>	EFFECTS OF PHYSIOLOGY, GROWTH AND YIELD OF DIFFERENT MULTIPLE-PARENT ADVANCED GENERATION INTER-CROSS (MAGIC) AMARANTH GENOTYPES UNDER VARYING WATER REGIMES - <i>Lindiwe Khoza</i>	CALCULATING SOIL TITRATABLE ACIDITY FROM ROUTINE SOIL ANALYSES OF CULTIVATED SOUTH AFRICAN SOILS USING VARIOUS MODEL STRUCTURES - <i>Vivian White</i>	EVALUATION OF THE USEFULNESS OF EARLY LEAF ANALYSIS TO IMPROVE NUTRITION MANAGEMENT OF CITRUS - <i>Pieter Raath</i>
<b>12h00</b>	IN-FIELD ASSESSMENT OF SOIL WATER DYNAMICS OF IRRIGATED POTATO GROWN ON SANDY SOILS - <i>Alex Mukiibi</i>	HEAVY METAL PHYTOREMEDIATION OF MINE CONTAMINATED SOILS USING SELECTED INDIGENOUS CROPS - <i>Sharon Nomthandazo Ndhlovu</i>	CLASSIFICATION OF SMALLHOLDER FARMERS ACCORDING TO LIVELIHOODS COPING STRATEGIES AND LIVELIHOOD OUTCOMES IN THE LIMPOPO PROVINCE - <i>Sydney Shikwambana</i>
<b>12h20</b>	EXAMPLES OF IODINE AS MICRONUTRIENT IN PLANTS, FOR IMPROVEMENT OF THE MAIN COMMERCIAL GREENHOUSE CROPS CULTIVATION - <i>Suzette Smalberger</i>	COMPARISON OF THE EFFECTIVENESS OF MINED AND BY-PRODUCT SOUTH AFRICAN GYPSUM MATERIALS FOR SOIL SODICITY REMEDIATION - <i>Marina du Plessis</i>	CHALLENGES AND SUCCESSES OF COMMUNITY DEVELOPMENT IN THE HONEYBUSH SECTOR - <i>Cecilia Bester</i>
<b>12h40</b>	CLIMATE CHANGE IMPACTS ON CANOLA GROWTH AND YIELD CHARACTERISTICS: CHALLENGES AND OPPORTUNITIES - <i>Andries le Roux</i>		
<b>12h40 to 13h30</b>	Lunch		

<b>Session 6</b>			
	<b>Crops - Crop physiology &amp; Agrometeorology</b>	<b>Soils - Soil chemistry &amp; technology</b>	<b>Horts - Crop protection, Biotechnology, Breeding, Propagation &amp; Physiology</b>
<b>Session Chair</b>	Dr Elmarie van der Watt	Prof Elmarie Kotze	Bonga Ncgobo
<b>13h30</b>	THE IMPACT OF ACCESS TO CLIMATE SERVICES ON SMALLHOLDER FARMERS' CROPPING DECISIONS AND FOOD SECURITY IN ELUNDINI LOCAL MUNICIPALITY, EASTERN CAPE PROVINCE - <i>Yanga Nocezo</i>	TERMITE MOUNDS: ENDANGERED CARBON PUMPS OF THE SEMI-ARID WEST COAST REGION? - <i>Cathy Clarke</i>	AGRICULTURAL RESEARCH COUNCIL- VEGETABLE INDUSTRIAL AND MEDICINAL PLANTS - <i>Beverly Mampholo</i>
<b>13h50</b>	EVALUATING MACHINE LEARNING MODELS FOR SUB-FIELD MAIZE YIELD PREDICTIONS IN PRECISION AGRICULTURE - <i>Simphiwe Maseko</i>	THE EFFECT OF ALIEN INVASIVE PLANT BIOCHARS ON SANDY SOIL QUALITY AND CAULIFLOWER YIELD - <i>Sipho Mncedi</i>	HOST-STATUS OF 16 CROPS USED IN POTATO ROTATION - <i>Kgabo Martha Pofu</i>
<b>14h10</b>	EFFECT OF SELECTED BIOSTIMULANTS ON THE PHYSIOLOGY AND GROWTH OF THE COMMON ONION (ALLIUM CEPA L.) - <i>Elmarie van der Watt</i>	OCCURRENCE AND CONCENTRATION LEVELS OF SELECTED EMERGING CONTAMINANTS AND THEIR METABOLITES IN REPRESENTATIVE AGRICULTURAL LANDS AROUND GAUTENG PROVINCE, SOUTH AFRICA - <i>Matome Peter Ngoetjana</i>	BIOCHEMICAL PROFILING OF HONEYBUSH (CYCLOPIA SPP.) STOCK PLANTS AS RELATING TO SEASONAL VARIATION OF CUTTING ROOTING POTENTIAL - <i>Pippa Karsen</i>
<b>14h30</b>	THE EFFECT OF SALICYLIC ACID AND ANTIOXIDANTS ON GROWTH AND PRODUCTION OF FIELD-GROWN WHEAT (TRITICUM AESTIVUM L 'MATLABAS') SUBJECTED TO HEAT AND WATER STRESS - <i>Nicolaas Roets</i>	INVESTIGATION OF LIMING AND NITRIFICATION SUPPRESSION POTENTIAL OF LOCAL BIOCHARS - <i>Ruben De Bod</i>	EFFECTS OF DIFFERENT PLANT GROWTH REGULATORS ON ESTABLISHMENT OF A MICRO-PROPAGATION PROTOCOL OF GREEN PEPPER (CAPSICUM ANNUUM L.) - <i>Mfihlakalo Zikalala</i>
<b>14h50</b>	BIOCHEMICAL RESPONSE OF UPLAND RICE CULTIVARS TO DROUGHT ON POOR SOIL AUGMENTED WITH COMPOST, GLOMUS MOSSAE AND NPK 15-15-15 FERTILIZER - <i>Oyeyemi Dada</i>	ASSESSING THE INFLUENCE OF REHABILITATION STRATEGIES ON SOIL QUALITY AT MOKALA NATIONAL PARK, SOUTH AFRICA - <i>Cowan McLean</i>	COMPILING AND VALIDATING A MORPHOLOGICAL DESCRIPTOR LIST FOR SCENTED GERANIUMS - <i>Willem Jansen Van Rensburg</i>
<b>15h10</b>	DIURAPHIS NOXIA RESISTANCE IN COMMERCIAL SOUTH AFRICAN CULTIVARS - <i>Vicki Tolmay</i>	CREATION OF NEAR-INFRARED SPECTROSCOPY CALIBRATION ALGORITHMS FOR SOIL WATER RELATED PROPERTIES - <i>Jacques Faul</i>	LEAF ANATOMICAL TRAITS OF MACADAMIA CULTIVARS WITH POTENTIAL LINKS TO DROUGHT TOLERANCE - <i>Khodani Maumela</i>
<b>15h30 to 16h00</b>	Tea break		

	<b>Session 7</b>		
	<b>Crops</b>	<b>Soil</b>	<b>Horts</b>
<b>16h00 to 17h30</b>	<b>AGM</b>	<b>AGM</b>	<b>AGM</b>
<b>17h45</b>	Poster session		
<b>18h30</b>	Braai		

<b>Time slots</b>	<b>Programme</b>		
	<b>25-Jan-24</b>		
<b>07h00 to 08h00</b>	<b>Registration</b>		
<b>08h00 to 9h00</b>	Keynote Hortological Science -		
	<b>Session 8</b>		
	<b>Crops - Agrometeorology</b>	<b>Soils - Soil Genesis</b>	<b>Horts - Nutrition &amp; water management</b>
<b>Session Chair</b>	Prof Martin Steyn	Prof Eyob Tesfamariam	Kgabo Phofu
<b>09h10</b>	NON-LINEARITY OF THE E <sub>t</sub> o RELATIONSHIP: AN EXCEL VBA IMPLEMENTATION AS A RESEARCH AND TEACHING TOOL - <i>Michael Savage</i>	EXAMINATION OF SOIL HYDROLOGICAL BEHAVIOR IN GRASSLAND, RANGELAND, AND CROPLAND LAND USES USING HYDROPEDEOLOGICAL INTERPRETATION IN THE SELECTED ECOTOPES OF THE EASTERN CAPE PROVINCE OF SOUTH AFRICA - <i>Siphamandla Nyambo</i>	RESPONSE OF NUTRITIONAL WATER PRODUCTIVITY IN OKRA (ABELMOSCHUS ESCULENTUS) SEEDS TO IRRIGATION INTERVAL - <i>Ndivhuho Mutshekwa</i>
<b>09h30</b>	COMPARATIVE WATER USE BY FAST-GROWING EUCALYPTUS CLONAL HYBRID AND PINUS ELLIOTTII NEAR TWO STREAMS CATCHMENT IN SOUTH AFRICA - <i>Nkosinathi Kaptein</i>	VISUAL EVALUATION OF SOIL STRUCTURE UNDER LONG-TERM NO-TILLAGE SYSTEM - <i>Kopano Phefadu</i>	DO PROTECTIVE NETS REDUCE WATER USE AND IMPROVE WATER PRODUCTIVITY IN APPLE ORCHARDS UNDER MEDITERRANEAN-TYPE CLIMATE CONDITIONS? - <i>Stephanie Midgley</i>
<b>09h50</b>	APPLICATION OF HEAT UNITS FOR SUSTAINABLE MANAGEMENT OF MAIZE CROP PRODUCTION IN THE FREE STATE PROVINCE, SOUTH AFRICA - <i>Mokhele Moeletsi</i>	ESTIMATION OF SOIL EROSION USING GIS AND REMOTE SENSING INTEGRATION WITH RUSLE MODEL IN UMGENI CATCHMENT, SOUTH AFRICA - <i>Nicholas Byaruhanga</i>	A DEMONSTRATION ON HOW PLANT WATER POTENTIAL-BASED DEFICIT IRRIGATION ALTERS PHYSIOLOGICAL, REPRODUCTIVE AND WINE QUALITY RESPONSES OF GRAPEVINE IN THREE DIFFERENT CLIMATIC REGIONS - <i>John-Murray Visser</i>
<b>10h10</b>	EXPLORING THE RISK PROFILE OF SEASONAL FORECAST UPTAKE IN VITICULTURE - <i>Zwelihle Fidelity Khumalo</i>	SHORT- AND LONG-TERM FIRE EFFECTS ON SOIL HYDROLOGICAL PROPERTIES IN THE KRUGER NATIONAL PARK - <i>Tercia Strydom</i>	WATER USE AND CROP PERFORMANCE UNDER DRIP AND SELF-REGULATING, LOW ENERGY, CLAY BASED IRRIGATION (SLECI) SYSTEMS - <i>Hunadi Abigail Chaba</i>
<b>10h20</b>	SEASONAL FORECAST INFORMATION, AWARENESS, ACCESS, AND LOCAL UPTAKE : THE CASE OF COMMERCIAL AND SMALLHOLDER FARMING SYSTEMS IN THE WESTERN AND EASTERN CAPE PROVINCES - <i>Olivier Crespo</i>	THE EFFECT OF NATURAL FIELD-AGING OF INVASIVE ALIEN WOODY PLANT BIOCHARS ON HYDRAULIC PROPERTIES OF SANDY SOILS - <i>Roeline Van Schalkwyk</i>	WATER RETENTION POTENTIAL OF BIOCHAR MADE FROM STEMS OF MORINGA AND VARIOUS INVASIVE PLANTS - <i>Simon Kgathatso Maleka</i>
<b>10h40</b>	ESTIMATION OF POTATO CROP COEFFICIENTS AND EVAPOTRANSPIRATION FROM CANOPY MEASUREMENTS AND SATELLITE-BASED NDVI - <i>Martin Steyn</i>		
<b>10h40 tot 11h10</b>	Tea		



<b>Session 9</b>			
	<b>Soils - Soil biology &amp; fertility</b>	<b>Soils - Soil genesis, classification &amp; mapping</b>	<b>Horts - New and alternative crops</b>
<b>Session Chair</b>	Dr. Gerhard Nortje	Prof George van Zijl	Karin Hannweg
<b>11h10</b>	SHORT-TERM EFFECTS OF CONSERVATION AGRICULTURE ON SOIL HEALTH DYNAMICS: A MULTI-YEAR STUDY IN OTTOSDAL, SOUTH AFRICA - <i>Gerhard Du Preez</i>	CREATING SAMPLING STRATEGIES TO DETERMINE SAMPLE SIZE AND POSITION FOR OPTIMAL COVERAGE USING DIGITAL SOIL MAPPING TECHNIQUES - <i>Molebaleng Sehlapele</i>	PRE- AND POST-HARVEST LOSSES OF SWEET POTATO AND OUTLOOK ON THE PROCESSING POTENTIAL OF ORANGE-FLESHED SWEET POTATO - <i>Sunette Laurie</i>
<b>11h30</b>	IMPACTS OF GLYPHOSATE ON SOIL MICROBIAL COMMUNITIES IN SOYBEAN SYSTEMS - <i>Ayabonga Sibalekile</i>	MAPPING OF SALT AFFECTED SOILS IN SOUTH AFRICA: MACHINE LEARNING APPROACH - <i>Adolph Malatji</i>	NUTRITIONAL COMPOSITION AND PHYTOCHEMICAL PROPERTIES OF SELECTED AMARANTH LANDRACES UNDER OPEN FIELD CULTIVATION - <i>Manaka Makgato</i>
<b>11h50</b>	STRATEGICALLY INTEGRATING LEGUMES IN MAIZE CROPPING SYSTEMS - <i>Canon Engoke</i>	COMPARING MACHINE LEARNING AND KRIGING FOR PREDICTING TOPSOIL ORGANIC CARBON DISTRIBUTION IN THE WESTERN CAPE PROVINCE OF SOUTH AFRICA – <i>Nokwazi Ngubo</i>	ETHANOL PRODUCTIVITY OF SWEET SORGHUM (SORGHUM BICOLOR (L.) MOENCH) VARIETIES AS A SOURCE OF BIOFUEL UNDER DRYLAND CONDITIONS OF THE FREE STATE - <i>Lesego Kok-Ngonyama</i>
<b>12h10</b>	Impact of topsoil mining for unfired mudbricks on soil quality in eastern KwaZulu-Natal, South Africa Nkosinomusa Buthelezi-dube	Evaluating the value of spatial and temporal resolution for mapping biogenic earth mounds based on machine learning. Grace Maponya	An Evaluation of Kenaf as a Multipurpose Nutrient-Rich Feed Alternative Ebrahiema Arendse
<b>12h20</b>	EVALUATING THE EFFECT OF PHOSPHATE AND PECTIN-SUPPLEMENTED BIO-FERTILIZERS ON THE GROWTH AND YIELD OF LENTIL (LENS CULINARIS M.) - <i>Keshav Adhikari</i>	COUPLING TRADITIONAL SOIL SURVEY, CLASSIFICATION APPROACHES AND GEOSTATISTICAL TECHNIQUES TO DELINEATE AND DIGITALLY MAP SOIL MANAGEMENT ZONES IN A BANANA PLANTATION SEOME - <i>Michael Swafo</i>	EVALUATING GRAIN YIELD AND NUTRITIONAL COMPOSITION OF TWO LEGUME SPECIES IN FARMERS' FIELDS IN FOUR MUNICIPALITIES OF VHEMBE DISTRICT - <i>Vhakhholwi Matidze</i>
<b>12h40</b>	ALTERNATIVE USE OF INVASIVE PLANTS RELATING TO MORINGA FOR BIOCHAR TO IMPROVE SOIL QUALITY: CASE STUDY OF SWISSCHARD (BETA VULGARIS L.) - <i>Thabo Selby Nkuna</i>		
<b>13h00</b>	Get lunch packs and board bus to practical visits		
<b>13h30 busses leave</b>	<b>Practical Visits</b>		
<b>17h00 busses arrive</b>			
<b>19h00 for 19h30</b>	<b>Gala dinner - Fancourt</b>		