

# NAS2025 Scientific Programme

Tuesday, 1 July 2025		
08:00	Arrival and Registrations (Teacher Training Building Reception)	
Plenary Sessions		
CONFERENCE OFFICIAL OPENING SESSION   08:55-10:30   Chair: Prof Daryl Codron, NAS2025 Chair		New Education Auditorium
09:00	Official Welcome and Opening Prof Vasu Reddy, UFS Vice-Chancellor – Research & Innovation	
09:20	Greetings from the Chancellor, Prof Bonang Mohale	
09:30	NAS Research Strategy and Launch of the Hubs Prof Paul Oberholster, Dean of Natural and Agricultural Sciences	
09:40	Introducing the Green Futures Hub: Prof Wayne Truter Where Applied Science and Innovation Meet Sustainability: The Green Futures Hub Journey	
10:00	Keynote Speaker: Prof Michael von Maltitz Sustainability in Science Education in the 5 <sup>th</sup> Industrial Revolution	
10:40	REFRESHMENTS (MODLEC Reception Area)	
Parallel Sessions		
SESSION 1 IMPACT OF LAND USE AND DISASTERS Chair: Dr Gladys Belle		MODLEC Room 7
11:15	Melku Alemu	LANDSCAPE TRANSFORMATION IN THE ABAYA-CHAMO SUB-BASIN, ETHIOPIA: SPATIO-TEMPORAL LULC CHANGES AND SUSTAINABILITY CONCERNS
11:35	Meaza Gebrehans	IMPACTS OF TRADITIONAL GOLD MINING PRACTICES ON ORGANIC CARBON ACROSS LAND USES IN TIGRAY, ETHIOPIA
11:55	Johan van Tol	TOWARDS A LANDSLIDE EARLY WARNING SYSTEM FOR SOUTH AFRICA: MODEL DEVELOPMENT AND EVALUATION
12:15	Lehlohonolo Mofokeng	ASSESSMENT OF THE MORPHOLOGICAL EVOLUTION OF THE UPPER ORANGE-SENQU RIVER BY REMOTE SENSING
12:15	Gladys Belle	LESSONS LEARNED AS A FIRST-TIME PRINCIPAL INVESTIGATOR
SESSION 2A HUMAN HEALTH AND SECURITY Chair: Kelebogile Letebele		MODLEC Room 8D
11:15	Nozethu Mjokane	THE ACTIVATION OF HIV-1 GP160 GLYCOPROTEIN BY CRYPTOCOCCAL KEXIN PROTEASES
11:35	Komi Afassinou	CHOLERA INVASION SPEED AND THE INTERVENTION STRENGTH
11:55	Tristen Lourens	RURAL CATTLE AS RESERVOIRS OF ZONOTIC MYCOBACTERIA: GENOMIC INSIGHTS FROM KWAZULU-NATAL, SOUTH AFRICA
12:15	Mpho Tawana	ZONOTIC PATHOGENS OF ONE HEALTH CONCERN IN SMALL AFRICAN CARNIVORES: A SYSTEMATIC REVIEW
12:35	Maria Chukwuma	PHYTOCHEMICAL INVESTIGATION OF THE ETHYL ACETATE EXTRACT OF ADENIUM MULTIFLORUM (APOCYNACEAE); BIOASSAY GUIDED FRACTION-ATION, TOXICITY, AND IN-SILICO EVALUATION AGAINST CANCER (Poster)
12:45	Banele Mhlanga	RECOMBINANT PRODUCTION OF PORCINE FOLLICLE STIMULATING HORMONE (Poster)
SESSION 3A SUSTAINABLE HUMAN SETTLEMENTS Chair: Prof Tom Okello		MODLEC Room 6
11:15	Thomas Stewart	INTRODUCTION OF TECHNOLOGY IN THE UPGRADING OF EMERGING HUMAN SETTLEMENTS
11:35	Simphiwe Mabaso	SPATIAL JUSTICE AND SERVICE DELIVERY IN FORMER QWAQWA HOMELAND: A GEOSPATIAL ANALYSIS OF STUDENT ACCOMMODATION
11:55	Yandisa Mashalaba	THE INFLUENCE OF GOVERNMENT FUNDING ON PERSONAL RESPONSIBILITY IN THE REVITALISATION OF SOUTH AFRICAN TOWNSHIP ECONOMIES THROUGH SHARED PROPERTY RIGHTS?
12:05	Pulane Pudumo	ASSESSING THE EFFECTIVENESS OF HOUSEHOLD SOLID WASTE MANAGEMENT PRACTICES AND THEIR IMPACTS ON THE LOCAL ENVIRONMENT AND COMMUNITIES: THE CASE OF PHUTHADITJHABA AND MAKWANE IN THE FREE STATE PROVINCE OF SOUTH AFRICA

<b>SESSION 4</b> <b>SCIENCE EDUCATION</b> <b>Chair: Dr Angela Stott</b>			<b>MODLEC</b> <b>Room 5A</b>
11:15	Lindi Heyns	PEDAGOGY FOR A PLANET IN CRISIS	
11:35	Gerhard Bosman	BASOTHO RURAL DOMESTIC HERITAGE FOR ARCHITECTURE TEACHING AND LEARNING	
11:55	Michael von Maltitz	PORTFOLIOS OF LEARNING EVIDENCE	
12:15	Mart-Mari Els	FROM FOUNDATIONS TO FUTURES: CONSTRUCTIVIST PEDAGOGY FOR SUSTAINABILITY IN QUANTITY SURVEYING EDUCATION	
13:00	<b>LUNCH</b> <b>(MODLEC Reception Area)</b>		
<b>SESSION 5</b> <b>CONSERVING OUR BIODIVERSITY</b> <b>Chair: Dr Luther van der Mescht</b>			<b>MODLEC</b> <b>Room 7</b>
14:00	Chanel Lewis	INTEGRATING EVOLUTIONARY CONSTRAINTS INTO CONSERVATION: DIETARY ADAPTATION AND MORPHOLOGICAL LIMITS IN RUMINANTS	
14:20	Ruan Jacobs	SCAT-TERED CLUES: USING DUNG TO DECODE KUDU DEMOGRAPHICS	
14:40	Rivaldo Mockson	ASSESSING DNA INTEGRITY IN WILDLIFE FORENSIC SAMPLES: THE IMPACT OF SAMPLE AGE, PROCESSING TECHNIQUES & ENVIRONMENTAL FACTORS ON SPECIES IDENTIFICATION	
15:00	Ntsoaki Sabisa	THE REPELLENT ACTIVITY OF POWDERS OF THREE INVASIVE ALIEN PLANTS AGAINST SPODOPTERA FRUGIPERDA (LEPIDOPTERA: NOCTUIDAE)	
15:20	Megan Fisher	DEVELOPMENT AND VALIDATION OF A LEOPARD STR PANEL FOR USE IN LEGAL AND ILLEGAL TRADE CASES IN SOUTH AFRICA (Poster)	
15:30	Zhongning Zhao	EXPLORING DRIVERS OF CLADOGENIC DIVERSIFICATION AND BIOGEOGRAPHIC PATTERNS IN NEAR-SYMPATRIC HERPETOFAUNA ACROSS FOUR GLOBAL BIODIVERSITY HOTSPOTS (Poster)	
15:40	Sebacaco Itholeng	INVESTIGATING OPPORTUNITIES AND CHALLENGES FOR SUSTAINABLE ECO-TOURISM DEVELOPMENT IN MALUTI-A-PHOFUNG (Poster)	
15:50	Jabulile Maseko	THE EFFECT OF RESOURCE LEVEL AND NUMBER OF COMPETITOR INDIVIDUALS ON THE POPULATION CYCLES OF GERMAN COCKROACHES (BLATTELLA GERMANICA)	
<b>SESSION 2B</b> <b>HUMAN HEALTH AND SECURITY</b> <b>Chair: Dr Winschau van Zyl</b>			<b>MODLEC</b> <b>Room 8D</b>
14:00	Rhona Singh	IMPLEMENTING OF FAMILIAL SEARCHING TO ASSIST WITH THE IDENTIFICATION OF UNIDENTIFIED HUMAN REMAINS IN THE SOUTH AFRICAN POLICE SERVICE	
14:20	Xandi Gouws	NANOPORE SEQUENCED TARGETED METAGENOMIC ANALYSIS OF INANIMATE SURFACES WITHIN A CLINICAL SETTING	
14:40	Nandipha Nophale	SPATIAL ANALYSIS OF ACCESS TO HEALTHCARE IN BLOEMFONTEIN: LINKING DISTANCE, SOCIOECONOMIC AND PUBLIC ACCESS PERCEPTIONS	
15:00	Wanja Swart	MISUSE OF DISINFECTANTS CAUSE ANTIBIOTIC RESISTANCE IN CLINICALLY SIGNIFICANT SPECIES OF SERRATIA	
15:20	Sandile Shongwe	SELF-STARTING CONTROL CHART WITH SUPPORT VECTOR REGRESSION: A CASE STUDY ON INTERVENTIONAL X-RAY MACHINE OF PHILIPS HEALTHCARE COMPANY (Poster)	
<b>SESSION 3B</b> <b>SUSTAINABLE HUMAN SETTLEMENTS</b> <b>Chair: Thomas Stewart</b>			<b>MODLEC</b> <b>Room 6</b>
14:00	Njabulo Phewa	EXPLORING CARGOTECTURE AS AN ALTERNATIVE DEVELOPMENT MODEL FOR INNOVATIVE, SUSTAINABLE AND AFFORDABLE STUDENT HOUSING PROVISION IN RURAL HOMELAND UNIVERSITIES IN SOUTH AFRICA	
14:20	Zachariah Mshelia	GEOSPATIAL ANALYSIS OF INFORMAL SETTLEMENT SUSCEPTIBILITY TO MULTI-HAZARDS IN ETHEKWINI, SOUTH AFRICA	
14:40	Eustace Mokhua	<b>WITHDRAWN</b> ASSESSING FLOOD EARLY WARNING SYSTEMS FOR FLOOD RISK REDUCTION IN MOKGARENG VILLAGE, NORTHWEST PROVINCE	
15:00	Zinhle Mbongo	EVALUATING FLOOD DISASTER MANAGEMENT IN EMFULENI LOCAL MUNICIPALITY: POLICY ANALYSIS AND REFINEMENT	
15:20	Buyani Mosiea	ASSESSING THE IMPACT OF CLEANER PRODUCTION STRATEGIES ON WASTEWATER MANAGEMENT IN TSHIAME INDUSTRIAL DEVELOPMENT ZONE (TIDZ), SOUTH AFRICA	
<b>SESSION 6</b> <b>ADVANCED AND ALTERNATIVE MATERIALS</b> <b>Chair: Dr Megan Welman-Purchase</b>			<b>MODLEC</b> <b>Room 5A</b>
14:00	Lethabile Masiu	IMPROVING NIGHT-TIME ROAD SAFETY USING SRAL204:EU2+ FOR GLOW-IN-THE-DARK	

14:20	Thandi Mazibuko	BLUE-EMITTING LANTHANIDE FREE $\text{Ca}_2\text{YZr}_2\text{Al}_3\text{O}_{12}:\text{Bi}^{3+}$ PHOSPHORS FOR LIGHT-EMITTING DIODES APPLICATIONS
14:40	Govind Nair	DUAL-MODE LUMINESCENT COLOUR-TUNABLE $\text{BaYF}_5:\text{Yb}^{3+}$ , $\text{TB}^{3+}$ , $\text{Eu}^{3+}$ NANOPHOSPHORS FOR MULTI-SPECTRAL ANTICOUNTERFEITING APPLICATIONS
15:00	Mfiso Mngomezulu	<b>WITHDRAWN</b> FLAMMABILITY PERFORMANCE OF PLA/PCL BLEND WITH EXPANDABLE GRAPHITE AND VERMICULITE
15:20	Lebohang Seromo	SYNTHESIS OF GRAPHENE OXIDE (GO), ZIRCONIUM OXIDE (ZRP), AND GO/ZRP NANOCOMPOSITES AS HEAVY METAL IONS ADSORBENTS IN WATER
15:40	Kgalaletso Otukile	AB INITIO AND MULTICHANNEL RRKM COMPUTATIONS OF RATE CONSTANTS FOR HYDROCARBON RADICALS REACTING WITH $\text{O}_2$ (Poster)
16:00 - 17:00	<b>POSTER SESSION 1 and REFRESHMENTS</b> <b>(MODLEC Reception Area)</b>	
18:30	<i>(Transport departs 18:00)</i> <b>CONFERENCE DINNER : Paradys Experimental Farm</b>	

Wednesday, 2 July 2025		
08:00	Arrival and Registrations (Teacher Training Building Reception)	
Plenary Sessions		
CONFERENCE DAY 2 - OPENING SESSION   08:15-09:40  Chair: Dr Alba du Toit, NAS2025 Vice-Chair		New Education Auditorium
08:20	<b>Welcome</b> Prof Samuel Adelabu, NAS Vice-Dean: Research and Postgraduate Studies	
08:30	<b>Keynote Speaker: Prof Hlami Ngwenya</b> <i>Wearing Scientific Goggles</i>	
09:15	<b>Introducing the Complex Systems Hub: Dr Jacques Maritz</b> <i>Complex Systems Hub – From Applied Complexity to Impact</i>	
Parallel Sessions		
SESSION 7A SIMULATIONS, MODELLING AND DATA SCIENCE Chair: Dr Adewuyi Adegbite		MODLEC Room 7
09:45	Martin Clark	COOLING INDUCED FRACTURING IN IMPACT MELT DIKES DERIVED FROM DRONE PHOTOGRAMMETRY AND PYTHON SIMULATION: EXAMPLE FROM THE LESUTOSKRAAL GRANOPHYRE DIKE IN SOUTH AFRICA
10:05	Sandile Dladla	COPULA-BASED ESTIMATION OF SYNTHETIC FLOOD DESIGN HYDROGRAPHS FOR REGIONAL APPLICATIONS IN SOUTH AFRICA
10:25	Elizabeth Maritz	POWER GRID VULNERABILITY AND CONTAINMENT STRATEGIES USING GRAPH THEORY
10:45	Elize Swartz	GENERAL INDICES OF GRAPHS
SESSION 2C HUMAN HEALTH AND SECURITY Chair: Dr Edward Netherlands		MODLEC Room 8D
09:45	Meloddy Manyeruke	INVESTIGATION OF THE POTENTIAL OF BIOCL COMPOSITE AS A CATALYST FOR THE BIGINELLI REACTION
10:05	Juan Botha	MAGIC MUSHROOMS: WHERE CHEMISTRY, MYCOLOGY AND THE LAW COINCIDE
10:25	Rashid Issahaku	MINING NATURE’S PHARMACY FOR GABA MIMETICS: A COMPUTATIONAL DRUG DISCOVERY STUDY
10:45	Selloane Lehasa	INVESTIGATING THE IN-VITRO ANTI-INFLAMMATORY AND ANTI-CANCER ACTIVITY OF DIOSCOREA SYLVATICA
SESSION 8A FOOD SECURITY, PRODUCTION AND SAFETY Chair: Dr Faith Matiza Ruzengwe		MODLEC Room 3E
09:45	Primrose Madende	AN INTEGRATED DEVELOPMENT PATHWAY FOR DIFFERENT TYPOLOGIES: A SELF-HELP TOOL TO DEVELOP YOUTH IN AGRICULTURE
10:05	Bongiwe Mosikili	EXAMINING THE SUSTAINABILITY OF AGCROECOLOGICAL PRACTICES IN SMALL-SCALE FARMING SYSTEM: A CASE STUDY OF TSHESENG, QWAQWA
10:25	Kgaogelo Mafolo	ENHANCING GENETIC EVALUATION IN SA HOLSTEINS: THE ROLE OF GENOMICS AND ADJUSTED SSGBLUP
10:45	Lehakoe Letele	THE PERCEPTION OF CONSUMERS ON SUBSTITUTING POULTRY MEAT WITH RABBIT MEAT IN THE EASTERN CAPE: ALFRED NZO DISTRICT
SESSION 9A POLLUTION, WASTE MANAGEMENT AND WASTE UPCYCLING Chair: Dr Melku Alemu		MODLEC Room 5A
09:45	Megan Welman-Purchase	ARSENIC BEHAVIOUR IN GOLD MINE TAILINGS: INTEGRATING GEOCHEMISTRY FOR SUSTAINABLE REMEDIATION
10:05	Thobelani Jiyane	ADVANCEMENTS IN REMOTE SENSING TECHNOLOGIES FOR ENHANCED DETECTION AND MONITORING OF OFFSHORE OIL SPILLS: AN INTEGRATION WITH DISASTER PREPAREDNESS AND RESPONSE STRATEGIES
10:25	Michail Kruger	UPCYCLING OF KERATIN-LADEN BIOMASS WASTE
10:45	Damund de Klerk	VALORISING RECYCLED CEMENT FOR SUSTAINABLE FLY ASH – BASED GEOPOLYMER BINDERS: ENHANCING AMBIENT CURING AND REDUCING RELIANCE ON SLAG

<b>SESSION 10A</b> <b>CLIMATE CHANGE</b> <b>Chair: Dr Sodiq Alimi</b>			MODLEC Room 6
09:45	Palo Loke	RESPONSE OF SOIL QUALITY INDICATORS TO SIMULATED RANGELAND CONDITIONS AND SEASONAL VARIATIONS IN THE SEMI-ARID CENTRAL SOUTH AFRICA	
10:05	Sonya Manzini	THE EFFECTS OF PLANTING GEOMETRY AND IRRIGATION REGIMES ON PIGEON PEA (CAJANUS CAJAN) PERFORMANCE IN SEMI-ARID ENVIRONMENT	
10:25	Ntebaleng Mokotla	TESTING VARIOUS MULCHES AS A CLIMATE CHANGE ADAPTATION STRATEGY ON A CABBAGE (BRASSICA OLERACEA L. VAR CAPITATA) AND GREEN PEPPER (CAPSICUM ANNUM) CROP	
10:45	Stephen Nyaki	SOUTH AFRICAN COMMERCIAL LIVESTOCK FARMERS' ADAPTATION AND COPING STRATEGIES FOR AGRICULTURAL DROUGHT	
11:05	<b>POSTER SESSION 2 &amp; REFRESHMENTS</b> <b>(MODLEC Reception Area)</b>		
<b>SESSION 7B</b> <b>SIMULATIONS, MODELLING AND DATA SCIENCE</b> <b>Chair: Ethan Codron</b>			MODLEC Room 7
12:00	Thusang Buthelezi	DETERMINING THE MOST SUITABLE DISTRIBUTION AND ESTIMATION METHOD FOR EXTREMES IN FINANCIAL DATA WITH DIFFERENT VOLATILITY LEVELS	
12:20	Zander Greyling	RISK ESTIMATION USING COMPOSITE MODELS FITTED TO THE J520 INDUSTRIAL INDEX	
12:40	Lira Mothibe	MODEL AVERAGING AND GRID MAPS IN MODELLING HEAVY-TAILED INSURANCE DATA	
<b>SESSION 2D</b> <b>HUMAN HEALTH AND SECURITY</b> <b>Chair: Dr Mpho Tawana</b>			MODLEC Room 8D
12:00	André Roodt	DETAILED KINETIC-MECHANISTIC STUDIES FOR UNDERSTANDING SOLUTION BEHAVIOUR IN APPLIED CHEMICAL PROCESS MODELS IN NUCLEAR MEDICINE AND CHEMOTHERAPY	
12:20	Tsebo Jim	ISOLATION OF PRENYLATED FLAVONOIDS FROM ORMOCARPUM TRICHOCARPUM SEEDS AS POTENTIAL CENTRAL NERVOUS SYSTEM TREATMENTS	
12:40	Maphori Maliehe	THE REPURPOSING OF ARTEMISININ AS AN ANTI-CRYPTOCOCCUS AGENT	
<b>SESSION 8B</b> <b>FOOD SECURITY, PRODUCTION AND SAFETY</b> <b>Chair: Dr Primrose Madende</b>			MODLEC Room 3E
12:00	Pascalina Pilane	ASSESSING THE SOCIAL PILLAR OF SUSTAINABLE WATER USE IN SOUTH AFRICA THROUGH WATER FOOTPRINT ANALYSIS	
12:20	Faith Matiza Ruzengwe	NUTRITIONAL COMPOSITION OF NIXTAMALIZED AND NON-NIXTAMALIZED YELLOW AND WHITE MAIZE AND SENSORY EVALUATION OF THREE PRODUCTS	
12:40	Francois du Plessis	IDENTIFICATION OF TRAP AND CATCH CROPS TO CONTROL STRIGA GESNERIOIDES IN TOBACCO-BASED CROPPING SYSTEMS	
<b>SESSION 9B</b> <b>POLLUTION, WASTE MANAGEMENT AND WASTE UPCYCLING</b> <b>Chair: Sandile Dladla</b>			MODLEC Room 5A
12:00	Thuto Ramosoeu	THE USE OF YEAST BIOASSAYS TO DETERMINE THE POTENTIAL RISK OF AZITHROMYCIN, A COVID-19 DRUG, ON THE AQUATIC ECOSYSTEM AND HUMAN HEALTH IN THE ORANGE-SENQU RIVER BASIN	
12:20	Lerato Tsilo	ASSESSING THE OCCURRENCE AND THE ENVIRONMENTAL RISK OF A COVID-19 DRUG, DEXAMETHASONE, IN THE ORANGE-SENQU RIVER BASIN	
12:40	Gladys Belle	PHARMACEUTICAL RESIDUES IN SURFACE WATER BODIES FROM UPPER ORANGE- SENQU RIVER BASIN: OCCURRENCE WITHIN TWO SEASONS USING LIQUID CHROMATOGRAPHY COUPLED WITH MASS SPECTROMETRIC TECHNIQUE (Poster)	
12:50	Nkabeleng Lechesa	CAN THE GEOTAXIS BEHAVIOUR OF MOSQUITO LARVAE(CULICIDAE) BE A RELIABLE PREDICTOR OF WATER QUALITY? (Poster)	
<b>SESSION 10B</b> <b>CLIMATE CHANGE</b> <b>Chair: Dr Kwame Shamuyarira</b>			MODLEC Room 6
12:00	Marthie Niemand	FROM DEVELOPMENT SITE TO SCIENTIFIC DATA: UNLOCKING CLIMATE ARCHIVES IN LEPHALALE, SOUTH AFRICA	
12:20	Nicolle Loader	ASSESSING THE DATA QUALITY OF ERA5 DATASETS IN RELATION TO SUMMER TEMPERATURE INDICES OVER SOUTH AFRICA: 1979-2023	
12:40	Sodiq Alimi	A MACHINE LEARNING APPROACH TO FLOOD SUSCEPTIBILITY MODELLING: CASE STUDY OF KWA-ZULU NATAL PROVINCE, SOUTH AFRICA	
13:00	<b>LUNCH</b> <b>(MODLEC Reception Area)</b>		

SESSION 7C SIMULATIONS, MODELLING AND DATA SCIENCE Chair: Dr Kamohelo Tshabalala			MODLEC Room 7
14:00	Sthembiso Dlamini	COMPARATIVE ANALYSIS OF TAIL RISK IN EMERGING AND DEVELOPMENT MARKETS: AN EXTREME VALUE THEORY PERSPECTIVE (Poster)	
14:10	Kgotso Moremoholo	MODELLING THE PROBABILITY OF DEFAULT TERM STRUCTURE USING DIFFERENT METHODOLOGIES UNDER IFRS (Poster)	
14:20	Ethan Codron	ON THE CONSTRUCTION OF A GENERIC KURAMOTO MODEL SOLVER (Poster)	
14:30	Adewuyi Adegbite	FINE-TUNING CODELLAMA WITH LORA FOR CLASSIFYING HUMAN VS AI-GENERATED C# CODE	
14:50	Eduard Stoffberg	C*-ALGEBRAS AND THE STANDARD MODEL	
15:10	Edrich Stumpfe	COMPARATIVE ANALYSIS AND OPTIMISATION OF MACHINE LEARNING MODELS ON STRUCTURED TABULAR DATASETS	
15:30	Versace Sepees	THE TREE OF KNOWLEDGE? (Poster)	
15:40	Tiegsti Berhe	UAV AERIAL IMAGERY SEGMENTATION AND CROWN PROJECTION AREA ADJUSTMENT FOR MODELLING DBH IN A COMPLEX CANOPY STRUCTURE OF THE TROPICAL RAINFOREST (Poster)	
SESSION 2E HUMAN HEALTH AND SECURITY Chair: Dr Nozethu Mjokane			MODLEC Room 8D
14:00	Karabo Setsiba	ANTIFUNGAL ACTIVITY AND MECHANISM OF ACTION OF PHENOTHIAZINES: INHIBITION OF CANDIDA BIOFILMS, MORPHOGENESIS, AND LIPID METABOLISM	
14:20	Carmien Tolmie	SEEDING STRUCTURE-BASED DRUG DISCOVERY FOR 24C-STEROL METHYLTRANSFERASE FROM CANDIDA ALBICANS	
14:40	Tino Matumbura	ANTI-CANDIDA ACTIVITY OF SAPIENIC ACID RICH LIPIDS FROM THUNBERGIA ALATA (Poster)	
14:50	Sinèad Suter	BIOCATALYTIC PRODUCTION OF CHIRAL SULFOXIDES USING UNSPECIFIC PEROXYGENASES (Poster)	
SESSION 8C FOOD SECURITY, PRODUCTION AND SAFETY Chair: Dr Alba du Toit			MODLEC Room 3E
14:00	Habofanoe Fosa	INVESTIGATING THE CACTUS PEAR (OPUNTIA FICUS-INDICA) MICROBIOME FOR MICROBES POSSESSING TRAITS RELATED TO THE PROMOTION OF PLANT GROWTH	
14:20	Freedom Madziwanzira	WITHDRAWN POTENTIAL OF BIOSTIMULANTS TO ENHANCE ESTABLISHMENT AND GROWTH IN HYBRID POTATO FROM SEED AND TUBER	
14:40	Oteng Tsimatsima	ENDOPHYTES IN AFRICAN POTATO AS AN ALTERNATIVE SOURCE OF BIOACTIVE COMPOUNDS	
SESSION 9C POLLUTION, WASTE MANAGEMENT AND WASTE UPCYCLING			MODLEC Room 5A
14:00	CANCELLED		
Plenary Sessions			
16:00	Report back on Survey on Multi-disciplinary Research (Dr Herkulaas Combrink)		New Education Auditorium
16:10	Prize-giving		New Education Auditorium
16:40	Wrap up and Closure (Prof Paul Oberholster)		New Education Auditorium
16:50	Refreshments (Teacher Training Building Foyer)		