

Poster Programme

Posters will be on display for the entire conference in the MODLEC Reception Area. Some presenters have selected to only present as part of the Poster Sessions (Tuesday, 1 July [16:00 to 17:00]) and Wednesday, 2 July [11:00 to 12:00]), while others will also present a short presentation in the session to which their poster has been assigned.

#	Presenter	Title	Presentation Format & Schedule
Human Health and Security			
A1	Bernadette Belter	PRODUCTION OF LEISHMANIA AND CANDIDA SPECIES C24-STEROL METHYLTRANSFERASES FOR THE DEVELOPMENT OF DUAL ANTIFUNGAL AND ANTIPARASITIC THERAPIES	Poster Session 1 & 2
A2	Kara Bruwer	HERD SEROPREVALENCE OF MYCOBACTERIUM AVIUM SUBSPECIES PARATUBERCULOSIS IN FREE-RANGING CATTLE FROM RURAL AREAS OF SOUTH AFRICA	Poster Session 1 & 2
A3	Maria Chukwuma	PHYTOCHEMICAL INVESTIGATION OF THE ETHYL ACETATE EXTRACT OF ADENIUM MULTIFLORUM (APOCYNACEAE); BIOASSAY GUIDED FRACTIONATION, TOXICITY, AND IN-SILICO EVALUATION AGAINST CANCER	Poster Session 1 & 2 Presentation: Session 2A (1 July)
A4	Azil Coertzen	IDENTIFICATION OF NAD-INDEPENDENT AVIBACTERIUM PARAGALLINARUM ISOLATES FOR PLASMID EXTRACTION AND THE TRANSFORMATION OF REFERENCE SEROVARs	Poster Session 1 & 2
A5	Tino Matumbura	ANTI-CANDIDA ACTIVITY OF SAPIENIC ACID RICH LIPIDS FROM THUNBERGIA ALATA	Poster Session 1 & 2 Presentation: Session: 2E (2 July)
A6	Colleen McQuire	ASSESSING THE IMPACT OF DECANOYL-RVKR-CHLORO-METHYL KETONE ON CRYPTOCOCCUS NEOFORMANS CELLS	Poster Session 1 & 2
A7	Khwezi Mdana	THE ROLE YEAST KEXIN PROTEASES PLAY IN CRYPTOCOCCUS NEOFORMANS BRAIN INVASION	Poster Session 1 & 2
A8	Banele Mhlanga	RECOMBINANT PRODUCTION OF PORCINE FOLLICLE STIMULATING HORMONE	Poster Session 1 & 2 Presentation: Session 2A (1 July)
A9	Setjhaba Mosese	CRYSTALLOGRAPHIC AND MECHANISTIC INVESTIGATION OF RHODIUM TROPOLONE COMPLEXES FOR CATALYTIC MODEL REACTIONS	Poster Session 1 & 2
A10	Lebohang Moukwange	ACTIVATION OF THE SARS-COV-2 LATENT SPIKE GLYCOPROTEIN PROTEIN BY CANDIDA ALBICANS PROTEASES	Poster Session 1 & 2
A11	Jennifer Namboozee	ISOLATION, CHARACTERIZATION AND EVALUATION OF CYTOTOXICITY COMPOUNDS FROM THE STEM BARK OF ELAEODENDRON BUCHANANII; IN VITRO AND SILICO STUDIES	Poster Session 1 & 2
A12	Anwar Noreljaleel	SYNTHESIS AND GABAERGIC ACTIVITY OF LARGE SUBSTITUENTS OF 1,5-BENZODIAZEPINE	Poster Session 1 & 2
A13	Paulina Raposo	ASSESSING THE ANTI-CRYPTOCOCCUS QUALITY OF REFORMULATED ASPIRIN	Poster Session 1 & 2
A14	Sandile Shongwe	SELF-STARTING CONTROL CHART WITH SUPPORT VECTOR REGRESSION: A CASE STUDY ON INTERVENTIONAL X-RAY MACHINE OF PHILIPS HEALTHCARE COMPANY	Poster Session 1 & 2 Presentation: Session 2B (1 July)
A15	Sihle Skosana	HETEROLOGOUS EXPRESSION OF STAPHYLOCOCCAL AND CLOSTRIDIAL LANTIBIOTICS IN ESCHERICHIA COLI	Poster Session 1 & 2
A16	Sinèad Suter	BIOCATALYTIC PRODUCTION OF CHIRAL SULFOXIDES USING UNSPECIFIC PEROXYGENASES	Poster Session 1 & 2 Presentation: Session 2D (2 July)
A17	Gabi van den Heever	HETEROLOGOUS EXPRESSION OF EPIDERMIS-LIKE LANTIBIOTICS IN LACTOCOCCUS LACTIS	Poster Session 1 & 2
Sustainable Human Settlements			
B1	Liezl le Roux (for Tascha Bremer)	FROM CONFLICT TO COLLABORATION: IMPROVING INTERPROFESSIONAL COMMUNICATION IN CONSTRUCTION PROJECTS	Poster Session 1 & 2

Conserving our Biodiversity			
C1	Megan Fisher	DEVELOPMENT AND VALIDATION OF A LEOPARD STR PANEL FOR USE IN LEGAL AND ILLEGAL TRADE CASES IN SOUTH AFRICA	Poster Session 1 & 2 Presentation: Session 5 (1 July)
C2	Sebabaco Itholeng,	INVESTIGATING OPPORTUNITIES AND CHALLENGES FOR SUSTAINABLE ECO-TOURISM DEVELOPMENT IN MALUTI-A-PHOFUNG	Poster Session 1 & 2 Presentation: Session 5 (1 July)
C3	Zhongning Zhao	EXPLORING DRIVERS OF CLADOGENIC DIVERSIFICATION AND BIOGEOGRAPHIC PATTERNS IN NEAR-SYMPATRIC HERPETOFAUNA ACROSS FOUR GLOBAL BIODIVERSITY HOTSPOTS	Poster Session 1 & 2 Presentation: Session 5 (1 July)
Advanced and Alternative Materials			
D1	Lerato Bosman	RHODIUM (I) COMPLEXES AS GREENER MODEL CATALYST FOR HOMOGENEOUS CATALYSIS.	Poster Session 1 & 2
D2	Sokhana Gawe	THE SYNTHESIS AND CHARACTERISATION OF CYCLODEXTRIN METAL ORGANIC FRAMEWORKS (CD-MOFS) - FOCUSING ON PARTICLE SIZE REDUCTION.	Poster Session 1 & 2
D3	Neliswa Kunene	BIOSYNTHESIS OF SILVER NANOPARTICLES AND THEIR APPLICATIONS	Poster Session 1 & 2
D4	Matshediso Maphakisa	DESIGN AND TAILORED BIODEGRADABLE COMPOSITES FOR 3D PRINTING OF MEDICAL DEVICE APPLICATIONS	Poster Session 1 & 2
D5	Katleho Mathapo	BIOSYNTHESIS OF GOLD NANOPARTICLES AND THEIR APPLICATIONS	Poster Session 1 & 2
D6	Kgalaletso Otukile	AB INITIO AND MULTICHANNEL RRKM COMPUTATIONS OF RATE CONSTANTS FOR HYDROCARBON RADICALS REACTING WITH O ₂	Poster Session 1 & 2 Presentation: Session 6 (1 July)
Simulations, Modelling and Data Science			
E2	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 1 & 2 Presentation: Session 7C (2 July)
E3	Muhammad Cassim	RELATING THE SPAIN 2025 BLACKOUT TO OPTIMISED INDUSTRIAL BIOMASS YIELD	Poster Session 1 & 2
E4	Ethan Codron	ON THE CONSTRUCTION OF A GENERIC KURAMOTO MODEL SOLVER	Poster Session 1 & 2 Presentation: Session 7C (2 July)
E5	Sthembiso Dlamini	COMPARATIVE ANALYSIS OF TAIL RISK IN EMERGING AND DEVELOPMENT MARKETS: AN EXTREME VALUE THEORY PERSPECTIVE	Poster Session 1 & 2 Presentation: Session 7C (2 July)
E6	Kgotso Moremoholo	MODELLING THE PROBABILITY OF DEFAULT TERM STRUCTURE USING DIFFERENT METHODOLOGIES UNDER IFRS	Poster Session 1 & 2 Presentation: Session 7C (2 July)
E7	Versace Sepeesa	THE TREE OF KNOWLEDGE?	Poster Session 1 & 2 Presentation: Session 7C (2 July)
E8	Lulo Sifumba	FITTING NUMEROUS STATISTICAL DISTRIBUTIONS TO QUANTIFY THE RISK OF THE TOP 3 CRYPTOCURRENCIES	Poster Session 1 & 2
Food Security, Production and Safety			
F1	Rosshique Farmer	USING KOMAGATAELLA PHAFFI FOR THE PRODUCTION OF LACTONES	Poster Session 1 & 2
F2	Brent Jammer	CATTLE PRODUCTION: AN EXPERT VALIDATION OF A DECISION-SUPPORT FRAMEWORK USING THE DELPHI TECHNIQUE	Poster Session 1 & 2
F3	Zenande Langa	DEVELOPING A CONSUMER ACCEPTABLE DAIRY FREE, PLANT-BASED MILK USING NIXTAMALIZED MAIZE	Poster Session 1 & 2
F4	Markus Monteiro	ASSESSING THE SOCIAL AND ECONOMIC IMPACTS OF CHANGED WATER USE BEHAVIOUR AMONG MAIZE IRRIGATORS IN THE ORANGE-RIET IRRIGATION SCHEME, SOUTH AFRICA	Poster Session 1 & 2
F5	Pascalina Pilane	SOCIAL SUSTAINABILITY: A SYSTEMATIC REVIEW OF SOCIAL SUSTAINABILITY INDICATORS FOR WATER USE ALONG THE AGRICULTURAL VALUE CHAIN	Poster Session 1 & 2
F6	Kwami Shamuyarira	ASSESSING GENETIC VARIABILITY TO ADVANCE GRAIN YIELD, DROUGHT ADAPTION AND BIOMASS ALLOCATION IN WHEAT (TRITICUM AESTIVUM L.) POPULATIONS	Poster Session 1 & 2
F7	Lwandile Shezi	THE SENSORY ACCEPTABILITY OF NIXTAMALIZED SORGHUM THAT HAS BEEN ADDED TO EXISTING RECIPES	Poster Session 1 & 2

Pollution, Waste Management and Waste Minimisation			
G1	Gladys Belle	PHARMACEUTICAL RESIDUES IN SURFACE WATER BODIES FROM UPPER ORANGE- SENGU RIVER BASIN: OCCURRENCE WITHIN TWO SEASONS USING LIQUID CHROMATOGRAPHY COUPLED WITH MASS SPECTROMETRIC TECHNIQUE	Poster Session 1 & 2 Presentation: Session 9B (2 July)
G2	Sanele Cebekhulu	INFLUENCE OF METHANESULFONIC ACID (MSA) AND ORGANIC SUBSTRATES ON REES (BIO)LEACHING	Poster Session 1 & 2
G3	Elham Jalali	SUSTAINABLE PHOSPHATE REMOVAL WITH CAO-BIOCHARS	Poster Session 1 & 2
G4	Nkabeleng Lechesa	CAN THE GEOTAXIS BEHAVIOUR OF MOSQUITO LARVAE(CULICIDAE) BE A RELIABLE PREDICTOR OF WATER QUALITY?	Poster Session 1 & 2 Presentation: Session 9B (2 July)
G5	Viwe Mzinjani	COATED MAGNETITE NANOPARTICLES FOR EXTRACTION OF TRACE ORGANIC CONTAMINANTS FROM WASTEWATER	Poster Session 1 & 2
G6	Matin Naghizadeh	ENHANCED PHOTOCATALYTIC REMOVAL OF AMMONIA NITROGEN VIA ZNFE ₂ O ₄ /TiO ₂ HETEROJUNCTION	Poster Session 1 & 2
G7	Bokang Tsiane	INVESTIGATING THE GEOCHEMISTRY OF ARSENIC AND URANIUM IN WETLAND SEDIMENTS NEAR MINING SITES IN WELKOM, SOUTH AFRICA	Poster Session 1 & 2
Climate Change			
H1	Achamyeleh Mengistu	CLIMATE-DRIVEN SHIFTS IN THE RANGE OF SELECTED INVASIVE ALIEN PLANTS IN SOUTH AFRICA	Poster Session 1 & 2
H2	Ouma Ngoepe	HYDROGEOCHEMICAL ANALYSIS OF CLIMATE CHANGE IMPACTS ON GROUNDWATER IN THE NORTHEASTERN UPPER KAROO HYDROGEOLOGICAL REGION, SOUTH AFRICA	Poster Session 1 & 2
H3	Samke Ngwenya	ROOT TRANSCRIPTOME ANALYSIS OF A DROUGHT-TOLERANT SORGHUM GENOTYPE UNDER DROUGHT STRESS	Poster Session 1 & 2