



PROGRAMME

MONDAY, 3 SEPTEMBER 2018

18:00	Cocktail event (Venue – Science building court yard)
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TUESDAY, 4 SEPTEMBER 2018

08:30 – 10:00	Registration (Coffee and Tea also available)
	Opening Ceremony
Venue:	Lecture Theatre 2
Master of Ceremonies	Prof R Pellissier
10:00 – 10:15	Welcome address (Dr C Nhlapo - Vice Chancellor, Cape Peninsula University of Technology, South Africa)
10:15 – 10:30	Goodwill Message (Vice Chancellor, University of Cape Coast, Ghana)
10:30 – 10:45	Goodwill Message (Vice Chancellor, University of The Gambia, Gambia)
10:45 – 11:00	Goodwill Message (Vice Chancellor, University of Ilorin, Nigeria)
11:00 – 11:15	Goodwill Message (Vice Chancellor, Jaramogi Oginga Odinga University of Science and Technology, Kenya)
11:15 – 11:30	Goodwill Message (Vice Chancellor, Kwara State University, Nigeria)
11:30 – 11:40	Vote of thanks (Prof D Burger - Director of Research, Cape Peninsula University of Technology)
Venue:	Lecture Theatre 2
Chair	Prof D Burger
11:50 – 12:30	Keynote Speaker: Dr Gertie Arts
	Environmental Risk Assessment in Africa: developments and challenges
12:30 – 13:10	Lunch

Theme	Climate Change/Environmental Issues	Global Health & Wellness	ICT, Tourism, Business and Governance	Agriculture & Food Security
Venue:	Lecture Theatre 1	Lecture Theatre 2	Lecture Theatre 4	Lecture Theatre 5
Chair	Prof Ken Findlay	Prof A Mohammed	Prof Ajay Garg	Prof OA Omotesho
13:20 – 13:40	<p>Raissa A. Omores, Francois Wewers, Abdur-Rahim A. Giwa & Thomas Farrar</p> <p>Assessment of the potential of <i>Acacia saligna</i> for environmental biomonitoring of polycyclic aromatic hydrocarbons in Cape Town, South Africa</p>	<p>Toyin Alabi, Nicole Brooks & Oluwafemi Oguntibeju</p> <p>Improved antioxidant status and protective role of <i>Anchomanes difformis</i> on liver and kidney in type 2 diabetes</p>	<p>Bongani Klaas, Sivaramalingam Kirushanth & Boniface Kabaso</p> <p>A systematic review of data encryption methods through biometric fingerprint recognition WAS NOT PRESENT. REPLACED BY <u>GBOLAGADA</u></p>	<p>Zandile Maninjwa</p> <p>Antifungal activities of <i>Bulbine frutescens</i> extracts against <i>Fusarium oxysporum</i></p>
13:40 – 14:00	<p>Conrad Basson & Velaphi Msomi</p> <p>The analysis of failed rail tracks</p>		<p>Zukile Mfengu & Bigwen Yan</p> <p>Measuring supply chain performance at a healthcare facility in Cape Town</p>	<p>Asavela Vika, Vanessa Jackson & Richard Mundembe</p> <p>PCR-based cloning and characterisation of the Bambara groundnut mitochondrial genome</p>
14:00 – 14:20	<p>Aphelele Tomsana, Elie F. Itoba-Tombo & Izanne S. Human</p> <p>An analysis of environmental obligations and environmental liabilities of a distribution division to improve ecologically sustainable development.</p>	<p>Caroline Tyavambiza, Samantha Meyer & Mervin Meyer</p> <p><i>Cotyledon orbiculata</i> : a study of its relevance for skin infections</p>	<p>Vuyani Mtshikana & Bingwen Yan</p> <p>Knowledge sharing between young and old artisans at a construction company in Cape Town</p>	<p>Saidat Rabiou, Richard Mundembe & Vanessa Jackson</p> <p>Cloning and characterization of recombinant VsDef1, a novel antimicrobial peptide isolated from <i>Vigna subterranea</i></p>
14:20 – 14:40	<p>Nqobile Felicia Ngubane & Oluwaseun Oyekola</p> <p>Feasibility study on the use of corn-stover as feedstock for renewable energy source</p>	<p>Mediline Goboza, Oluwafemi Oguntibeju & Yapo G Aboua</p> <p>Antihyperlipidemic, antioxidant and anti-inflammatory effects of vindoline in type 2 diabetic rats</p>	<p>Aliy Abdulwahid Adebisi</p> <p>Information communication technology (ICT): What translation teachers need to know</p>	<p>Asavela Vika</p> <p>Sequencing and Bioinformatics analysis of Bambara groundnut</p>
14:40 – 15:00	Tea Break			
Theme	Climate Change/Environmental Issues	Global Health & Wellness	Gender, Social Issues and Education for Sustainable Development	Agriculture & Food Security
Venue:	Lecture Theatre 1	Lecture Theatre 2	Lecture Theatre 4	Lecture Theatre 5
Chair	Dr Mrs Mokoulu	Prof F Adepoju REPLACE HER	Prof F Sarr REPLACE HIM	Prof Felix Nchu
15:00 – 15:30	<p>Guest Speaker: Prof K Findlay Decision Support for Marine Spatial Planning in the South African Exclusive Economic Zone MOVE TO THURSDAY TIME after 10:00? REPLACED WITH DAUDA 2</p>		<p>Guest Speaker: Prof O Olugbara</p> <p>Transforming society through innovative research</p>	<p>Guest Speaker: Prof OA Omotesho</p> <p>Agriculture and food security in Africa: How far is the promised land?</p>

15:30 – 15:50	Ongama Soka & Oluwaseun Oyekola Pyrolysis of corn stover: Influences of temperature and other important parameters on char higher heating values	William Agyemang, Thomas Kolawole Ojo & Francis Afukaar Drivers' compliance and pedestrian safety at zebra crossings in the Cape Coast Metropolis, Ghana	Lawrence Acheampong & Emmanuel Arhin Factors influencing the sustainability of NGO's in the central region of Ghana MOVE TO THURSDAY	Mbappe Tanga, Francis B. Lewu, Adebola O. Oyedeji & Opeolowa O. Oyedeji Growth and yield of Burdock (<i>Arctium lappa</i> L.) in response to mineral fertilizer application
15:50 – 16:10	Ashton Mpfu, Pamela Welz & Oluwaseun Oyekola Optimization of the anaerobic digestion of secondary tannery sludge: Influence of initial pH and operating temperature	REPLACED WITH DAUDA 1	Vera Rosemary Ankoma-Sey Sustaining effective administrative tasks: Performance of Heads of academic departments in Senior High Schools in Ghana	Olatunde S Olatunji, Beatrice Opeolu & Olalekan S Fatoki Polychlorinated biphenyls (PCBs) congeners and dichlorodiphenyltrichloroethane’s (DDTs) in fresh root and leafy vegetables
16:10 – 16:30	Abiola Ezekiel Taiwo, Tunde Victor Ojumu & Tafirenyika Nyamayaro Madzimbamuto Corn steep liquor: a cheap nitrogen source for ethanol and acetoin production	Ngaitad Stanislaus Njinga, Adeola Kola-Mustapha & Luqman Quadri Toxicity assessment of sub-acute and sub-chronic oral administration of aqueous extract of <i>Hibiscus sabdariffa</i> calyces in Wistar Rats	Ignatius Ticha & Muhammad Nakhooda Teaching scientific and academic literacy to achieve multiple objectives at a University of Technology in South Africa	Tatenda Blessing Runganga & Kant E Kanyarusoke Heat transfer effects in a solar crop dryer
16:30 – 16:50	Jenny Lumbala Chansa, Francios Wewers & Thandekile Mthethwa Au-TiO ₂ plasmonic nanohybrids for highly efficient photocatalytic degradation of reactive orange 16 under visible light	Felicia Esemekiphoraro Williams, Emmanuel Teju Jolayemi & Tanimola Makanjuola Akande Ability of HIV/AIDS patients to identify dispensed medicines at public hospitals in a North-Central State, Nigeria	Lawrence Acheampong, Enoch Lalabi Kwadzodeh & Selorm Akaba Community attitudes towards National Sanitary Day exercise at Abura in the Cape Coast Metropolis, Ghana MOVE TO THURSDAY	Bulelwa Tandazo & Vusi Mshayisa Effect of processing steps on polyphenolic and antioxidant content of craft beer produced in a micro-brewery

WEDNESDAY, 5 SEPTEMBER 2018

Venue:	Lecture Theatre 2			
Chair:	Prof Eric Nyarko-Sampson			
09:00 – 09:40	Keynote Speaker: Prof R Krishnamurthy Application of plant tissue culture technology with special reference to cultivation of horticultural and medicinal plants			
Theme	Climate Change/Environmental Issues	Global Health & Wellness	Gender, Social Issues and Education for Sustainable Development	Agriculture & Food Security
Venue:	Lecture Theatre 1	Lecture Theatre 2	Lecture Theatre 4	Lecture Theatre 5
Chair	Prof Joseph Kioko	Prof O Oguntibeju	Prof F Olasehinde- Williams	Prof Learnmore Kambizi
09:50 – 10:20	Guest Speaker: Dr H Sawyerr Climate change and environment: reality or perception?	Guest Speaker: Prof M Asuquo Evolving trends in global health: The African perspective	Guest Speaker: Prof F Sarr Promoting gender equality: Politically informed and gender awareness approaches	
10:20 – 10:40	Sydney Shikwambana & Bongani Ncube Mapping of Limpopo Province into climate change vulnerability zones	Yusuf Ghazali, Ibrahim Bello & Adeola Kola-Mustapha The use of herbal medicines amongst outpatients at the University of Ilorin Teaching Hospital (UITH), Ilorin, Kwara State, Nigeria	Moses Segbenya Working conditions and decent work agenda among informal stone quarry workers in the central region of Ghana	Faith Sibanda Composite of fermented and malted pearl millet flour with <i>Moringa oleifera</i> leaf powder for optimum protein using mixture design
10:40 – 11:00	Wanga Ncise, Felix Nchu & Christian Daniels Interactive effects of light intensity and pH on growth and antifungal activities of extracts of the bulbous plant, <i>Tulbaghia violacea</i> Alliaceae	Tajudeen Amusa, Adeola Kola-Mustapha & Olubunmi Atolani An overview of the African Centre for Herbal Research, Ilorin (ACHRI)	Ibrahim Laro Abubakar Effects of external motivation on performance endurance among Kwara State University (KWASU) handball players	Adewole Tomiwa Adetunji, Bongani Ncube, Reckson Mulidzi & Francis Lewu Effect of cover crop management on glucosidase activity and soil organic carbon
11:00 – 11:20	Wighens Ngoie, Pamela Welz, Oluwaseun Oyekola & Daniel Ikhu-Omoregbe Edible oil wastewater sludge: A feasible feedstock for bioethanol and biodiesel by heterogeneous nano-magnetic catalyzed transesterification	Joshua Ayoola Obaleye, Abiodun Atoyebi Ajibola & Van Brecht Bernardus Synthesis, characterization, crystal structures and biological potency of some metal(II) carboxylate complexes with different nitrogenous ligands		Taahir Harris, Victoria Jideani & Marilize Le Roes-Hill Phytochemical properties of Bambara groundnut (<i>Vigna subterranea</i>) extracts from Mpumalanga Province, South Africa
11:20 – 11:40	Tea Break			

Theme	Climate Change/Environmental Issues	Global Health & Wellness	Gender, Social Issues and Education for Sustainable Development	Agriculture & Food Security
Venue:	Lecture Theatre 1	Lecture Theatre 2	Lecture Theatre 4	Lecture Theatre 5
Chair	Dr Ntokozo Malaza	Prof Odunola	Dr Abdul-Karim Kamara	Prof Victoria Jideani
11:40 – 12:00	BO Fagbayigbo, BO Opeolu & OS Fatoki Seasonal variations and distribution of nine PFCs in surface water and sediment from the Diep and Planckenburg Rivers, South Africa	Oladapo O Oludairo, JKP Kwaga & Junaid Kabir Phenotypic characterization and antibiogram of <i>Salmonella spp</i> isolated from captive wildlife and humans in two zoos and a park in North Central Nigeria	Felicia Olasehinde-Williams Repositioning tertiary education for sustainable African development	Olwethu Pili & Bongani Ncube Coping and adaptation strategies for agricultural water use during drought periods in the Overberg and West Coast Districts, Western Cape, South Africa
12:00 – 12:20	Francis Emile Asuquo, Victor Anaba Osim & QueenAnn Francis Asuquo Mud crab (<i>Scylla serrata</i>) and mudskipper (<i>Periophthalmus barbarous</i>) as bioindicators of heavy metal contamination in the Great Kwa River Estuary, Nigeria	Oladapo O.Oludairo, JKP Kwaga & Junaid Kabir Genotypic characterization of Salmonella spp isolated from wild animals in 3 selected wildlife holding centres in North Central Nigeria	Dawit Solomon Worku & Jean Cleymans Thermal model and tsallis distribution for large hadron collider	Mercy Fanadzo & Bongani Ncube Analysis of smallholder farmer livelihoods, coping and adapting strategies during drought periods in South Africa
12:20 – 12:40	Victoria I Emeka, Chimezie N Emeka & Francis E Asuquo A study on the hydrochemistry and grain size distribution of bottom sediments of the Calabar River, South East Nigeria	Bodun Olakanmi, Olufunke Olorundare & Saheed Afolabi Assessment of the effect of crude methanolic extracts (leaf and twig) of <i>Loranthus micranthus</i> on Streptozotocin induced diabetic rats	Mark Owusu Amponsah Prevalence of dating violence among undergraduate students and its impact on their learning in the University of Cape Coast, Ghana.	Olufemi Bolarin, GB Adesiji & FO Oladipo Catastrophic destruction and displacement of farming families: Dilemma of food security in Nigeria and the Lake Chad sub-region
12:40 – 13:00	Chimezie N Emeka, Victoria I Emeka & Etie B Akpan Sedimentary facies architecture of the Great Kwa River, South East NigeriaA	Adeola T Kola-Mustapha, Yusuf O Ghazali & Hameedat T Ayotunde Formulation and evaluation of <i>Parquetina nigrescens</i> suspensions for the treatment of diarrhoea	Kamal Tunde Omopupa, Abdulganiy Okania Ahmed & Shehu Olanrewaju Ishola Necessity for considering the continuing relevance of reading skills and information resources usage	Sururah Nasir, Ganiyat Olatunde & Abdulrazaq Adebowale Optimization of deep fat frying process for varieties of sweet potato crisps
13:00 – 13:40	Lunch			

Theme	Climate Change/Environmental Issues	Global Health & Wellness	Climate Change/Environmental Issues AND Agriculture & Food Security	Agriculture & Food Security
Venue:	Lecture Theatre 1	Lecture Theatre 2	Lecture Theatre 4	Lecture Theatre 5
Chair	Dr Richard Mundembe	Prof Olatunji	Dr Bongani Ncube	Prof R Krishnamurthy
13:40 – 14:00	Olubunmi A Mokuolu & Omodara O Stephen Investigating environmental air pollution in selected areas of Ilorin, Kwara State, Nigeria	JO Aiyedun & OO Oludairo Enhancing rabies prevention in Nigeria through health education	Gabriel Ademola Olatunji & Oluwatoyin Adenike Fabiyi Significant decrease in rice production	Fareed Ismail & Jasson Gryzagoridis Use of solar energy to enhance an aquaponics project at a low income community
14:00 – 14:20	Bamidele Olusegun Fawenu Pentateuchal prescriptions for environmental preservation in the context of advocacy on climate change in Ilorin, Nigeria	Friday Onyekwere Nwosu, Oluwaseyi Damilare Saliu & Khadijat Adekemi Oyinlola Preparation and characterization of Ag Cu bimetallic-polysorbates hybrid nanocomposites for sensing urea	Wasiu Mayowa Raheem & Aina Thompson Adeboyejo Evaluation of heat index and its implications in Southwestern Nigeria	Awelani Sadiki & Bongani Ncube Accessing the challenges of accessing water by the emerging farmers in the Breede-Gouritz Catchment Management Agency
14:20 – 14:40	Mbulelo Ofisi, Learnmore Kambizi & Ignatious Matimati <i>In vitro</i> callus and shoot multiplication of rare <i>Argyroderma subalbum</i> and <i>Agyroderma testiculare</i> (Aizoaceae) endemic to the Knersvlakte region, South Africa	Oladapo O Oludairo & Julius O Aiyedun Epidemiology of brucellosis in Nigeria	Oluwatoyin Adenike Fabiyi & Gabriel Ademola Olatunji Enhancing food security: Potential of agro-biocides in the management of <i>Pratylenchus zaeae</i> parasitizing maize	Victoria Jideani, Muthoni Kimani & Afam I. O. Jideani Integrating text mining and network analysis for ethnomedicinal profile of Bambara groundnut in Mpumalanga Province, South Africa
14:40 – 15:00	Chimezie N Emeka, Victoria I Emeka & Etie B Akpan Sedimentary facies architecture of the Great Kwa River, South east Nigeria	JO Aiyedun, RIO Nwoha & OO Oludairo Rabies challenges in developing countries: Nigeria perspective	Steven Mapfumo, Charles Laubscher & Joyce Ndlovu Cryopreservation of selected medicinal plant species and analysis of their genetic stability	Taibat Yusuf Contract farming: A sustainable pathway to increase rural income
15:00 – 15:20	Dumo Mpumlwana Mechanical properties of thermally treated, commercially pure, grade 2 Titanium (CP Ti grade 2)		Gabriel Ademola Olatunji & Oluwatoyin Adenike Fabiyi Towards food security: Application of modified sorghum residue in integrated pest management	Mandilakhe Naku, Ignatious Matimati & Learnmore Kambizi The functional roles of ammonium (NH ₄ ⁺) and nitrate (NO ₃ ⁻) in regulating transpiration for mass-flow acquisition of nutrients in <i>Phaseolus vulgaris</i> L. (Fabaceae)
18:30	Conference Dinner			

THURSDAY, 6 SEPTEMBER 2018

Venue:	Lecture Theatre 2			
Chair:	Prof R Pellissier			
09:00 – 09:40	Keynote Speaker: Prof Olatunde Research, innovation and technology for African development: Challenges faced by African universities			
Theme	Global Health & Wellness	Agriculture & Food Security	Gender, Social Issues and Education for Sustainable Development	Agriculture & Food Security
Venue:	Lecture Theatre 1	Lecture Theatre 2	Lecture Theatre 4	Lecture Theatre 5
Chair	Dr T Oosthuizen / Prof Grace Adepoju	Prof Sidat Yaffa	Dr Lalini Reddy	Prof Kareem Alagbe Gbolagade
09:50 – 10:10	Feyi Grace Adepoju, Olookoba Latefat, Ibrahim Yusuf & Tota Bolarinwa Community eye outreaches for universal health: 5 years review 2013 – 2017	Samson A Oyeyinka, Sarah Olatunbosun & John K Joseph Utilisation of indigenous chicken eggs in the preparation of selected pastries	Zenas Afram, Selorm Akaba & Festus Annor-Frempong Assessment of sustainability of child labour monitoring system project in Ghana: The case of Oasis Foundation International	Adebanji Olasupo Oluwole, Daniel Ikhu-Omoregbe & Victoria Adaora Jideani Physicochemical and rheological properties of African catfish slime
10:10 – 10:30	Kamal Tunde Omopupa & Lambe Kayode Mustapha Lofty government programmes	Sibusiso Xego, Learnmore Kambizi & Felix Nchu Hydroponic cultivation of <i>Siphonochilus aethiopicus</i> using inert substrate mixes under different watering regimes	Mulkah Adebisi Ahmed Gender influence on senior school teachers: Perceptions of difficult topics in Biology curriculum for sustainable development	Kikelomo Kehinde Osasona & Mercy Funke Salami Assessment of food security status and adaptation strategies to climate change among farm households in Kwara State
10:30 – 10:50	Olubunmi Atolani, Learnmore Kambizi & Gabriel A. Olatunji Innovative green synthesis and critical evaluations of natural cosmetics from under-explored tropicals for improved health and greener environment	Kehinde Affinnih & Umar Ibrahim Perception and gender involvement in rice husk/straw technology for soil and crop productivity in Niger State	Lawrence Acheampong, Raymond Yeboah & Selorm Akaba Assessment of community expectations towards revamping of Komenda sugar factory in Komenda-Edina-Eguafo-Abirem Municipality of the central region, Ghana	Ibiyemi B Ojuko, Adewumi T Oyeyinka & Abiodun A Adeloje Physical, chemical and sensory properties of novel non-gluten cookies from fermented cassava root
10:50 – 11:10	Mohammed Saka Jimoh, Kamal Tunde Omopupa & Kadijat Kehinde Kadiri Increasing roles of medical faculty	Gabriel Ademola Olatunji & Oluwaseyi Damilare Saliu Synthesis of regenerated nanocellulose and polyethylene hybrid resins for the design of biodegradable packaging	Simon-Peter Kafui Aheto & Johannes Cronje Actors in the personal learning networks of students in two coastal African Universities	Abiodun A Adeloje & Samuel O Olawoye Palm kernel cake in subsistence goat production: Efficacy as feed supplement to Napier grass silage fed to West African dwarf goat

11:10 – 11:30	Folorunso Olabiyi, Yapo Aboua, Thomas Monsees & Oluwafemi Oguntibeju Antioxidative, cytotoxicity and skin depigmentation potentials of <i>Phyllanthus amarus</i> extracts		Lawrence Acheampong & Emmanuel Arhin Factors influencing the sustainability of NGO's in the central region of Ghana	
11:30 – 11:50	Tea Break			
Theme		Climate Change / Environmental Issues	Gender, Social Issues and Education for Sustainable Development	
Venue:	Lecture Theatre 1	Lecture Theatre 2	Lecture Theatre 4	Lecture Theatre 5
Chair		TBA	TBA	
11:50 – 12:20		Guest Speaker: Prof K Findlay Decision Support for Marine Spatial Planning in the South African Exclusive Economic Zone	Abdulganiy Okanla Ahmed, Kamal Tunde Omopupa & Shehu Olanrewaju Ishola Restructuring LIS research as a practical approach for national development in Nigeria	
12:20 – 12:40		Hussein K. Okoro, Lwazi Ndlwana, J. Catherine Ngila, Monisola I. Ikhile & Tobias G. Barnard Preparation, characterization, and application of PES-HPEI membranes grafted with AgNO ₃ nanoparticles for water purification	Lawrence Acheampong, Enoch Lalabi Kwadzodeh & Selorm Akaba Community attitudes towards National Sanitary Day exercise at Abura in the Cape Coast Metropolis, Ghana	
12:40 – 13:00		Denis Worlanyo Aheto Trash to cash: A review on the socioecological impacts of illegal fish transshipment (Saeko) in Ghana		
13:00 – 13:20		Adeniyi Adeogun Evaluation of the effect of variability of temperature and rainfall on water resources of Asa River Catchment, Kwara State, Nigeria		
13:20 – 14:00	Lunch			
14:00	Closing of the U6 conference (Lecture Theatre 2)			
	Vote of thanks (Prof OS Fatoki – Dean of Applied Sciences, Cape Peninsula University of Technology)			

Note for poster presentations: The posters will be displayed during the entire duration of the conference. The presenters of the posters are requested to make themselves available at their posters for questions during some of the tea and lunch breaks.

