



BREAKAWAY (PARALLEL) TECHNICAL SESSION Information for Chair-of-session and Speakers

Chairs:

- Please arrive at your venue ahead of the start of the session and ensure that all the speakers are present.
- Ensure all speakers have uploaded their respective presentation slides onto the computer in their respective room.
- Please maintain sequence in which the speakers are ordered in the program strictly.
- In the event a speaker is absent, Chair to keep that specific slot empty, and keep to the original talk times and schedule.
- The Chair, if he/she so desires, can use the empty talk slot to have a discussion.
- Chair to ensure that each talk duration is limited to 10-12 minutes, with additional 3-5 minutes for Q&A.

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DAY 1 (March 21, 2018): Breakaway 12:00 – 13:00/13:15			
Venue 1: E, DR, DM, EO	Venue 2: FS, CC, W	Venue 3: EO	Venue 4: H
Air quality exposure analysis - Data challenges, findings and recommendations from a case study in South Africa Sibusisiwe (Khuluse) Makhanya (<i>invited talk</i> - E)	Improving mass propagation of <i>Annona muricata</i> L. from stem cuttings: requirement for growth promotants and potting media. Adejoke Obajuluwa (119-FS)	Women participation in higher education especially in sciences- Case study in Sri Lanka Kshanika Hirimburegama (293-EO)	CHAIR: Targeting tumor angiogenesis via endogenous collage derived metabolite Smita Pawar (480-H)
Verifying the Integrity of Hardcopy Document Using OCR Sthembile Mthethwa (570-DR)	A Comparison of the Food Security Status and Macro-nutrient Intakes of Female-headed and Male- headed Households in Bauchi Local Government Area in Nigeria Mercy Sosanya (406-FS)	Effect of supplemental phytase on true phosphorus digestibility in cottonseed meal and rice husk-based diets in broiler chickens. Ibinabo Ilaboya (227 - EO)	Exposure to radio-frequency electromagnetic waves alters acetylcholinesterase activity and induces DNA damage in brains and exploratory and motor coordination linked behaviour of young male rats Adejoke Obajuluwa (nee Ibitayo) (623 -H)
Robots for Disaster Management Beatrice Van Eden (654-DM)	Citizen Perceptions: A trajectory on the effectiveness of prepaid water meters in Harare Tafadzwa Maramura (379-W)	Custom-made model building kits for use in undergraduate Chemistry modules. Elize Smit (554-EO)	Cardiac Safety of the Administration of Artemether-Lumefantrine Following Parenteral Quinine in Children with Severe Malaria Anaemia. Kamunhwala Gausi (440 - H)
Web developers' perspective on the accessibility of E-government Services for Persons with Disabilities in Ghana. Millicent Agangiba (549-DR)	CHAIR: Fisheries and Aquaculture Vulnerability to Climate Change. Michelle Pretorius (413-CC)	Disseminating Innovation on Dry Season Rice Farming in Remote Communities in Kwara State, Nigeria: Extension Volunteers to the Rescue. Kemi Omotesho (586-EO)	Composite "Ogi" Liquor: An effective alternative to ORS in the Management of Diarrhoea caused by <i>Escherichia coli</i> O157: H7. Tinuola Adebolu (645 - H)
CHAIR: Technology Divide among Urban Female Youth Nova Ahmed (83-EO)		CHAIR: Plain Language funding proposals for clearer communication between scientists. Antoinique Van Staden (622-EO)	Statistical Analysis On The Survival Rate Of Breast Cancer Patients. Temitope Agboola (411 - H)



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DAY 2 (22 March 2018): Breakaway 12:00-13:00/13:15			
Venue 1: H	Venue 2: CE, E, FS	Venue 3: H, EO	Venue 4:
Knowledge and Awareness of Heritable Eye Disorders among Undergraduates of University of Benin. Shuaibu Ayishetu Oshoke (223 - H)	Oil Price Uncertainty and Economic Activities in South Africa Goodness Aye (75-CE)	Obsessive Compulsive Disorder among Women Living in Rural Area - A Mobile Application Pilot Study Fadwa Alhalaiaqa (449 - H)	
Implementation of a pathology-supported genetic testing strategy to detect common risk factors shared between breast carcinoma and associated comorbidities Nicole Van Der Merwe (638-H)	Contribution of the UNESCO MAB Programme to Sustainable Development in South Africa Ruida Pool-Stanvliet (439 - E)	Quality assessment of Cryptolepis-based formulations in Ghana. Adelaide Mensah (490 - H)	
Comparing screening strategies for gestational diabetes in a South African population Sumaiya Adam (109-H)	Development of a Non-Derivatizing molten hydrate salt pretreatment system for South African corn cob: A preliminary investigation Olayile Ejekwu (467- CE)	Development of Oral Dissolvable Films of Diclofenac Sodium for Osteoarthritis Using Albizia and Khaya Gums as Hydrophilic Film Formers. Martina Aduenimaa Bonsu (686 - H)	
Effect of maternal exposure to biomass smoke on birth weight in Malawi. Ndifanji M. Namacha(H-284)	Discovery of Sorghum Prices in Nigeria Opeyemi Ayinde (479-FS)	The perceived benefits of attending a leadership development programme for women engineering students at a South African university Ann Lourens (168-EO)	
CHAIR: Molecular Mechanisms of Multi Drug Resistance and Its Reversal in Cancer Yusuf Baran (<i>invited talk</i> - H)	CHAIR: Drivers of energy research in OECD countries: does energy-directed R&D expenditure matter?. Roula Inglesi-Lotz (339 - CE)	CHAIR: Screening for diabetes in tuberculosis patients at enrolment and after 3-months of follow-up. Mmamapudi Kubjane (468-H)	



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DAY 2 (22 March 2018): Breakaway 15:00-16:00/16:15

Venue 1: W	Venue 2: H	Venue 3: CC, EO	Venue 4: FS
Growth evaluation of the Mozambique tilapia (<i>Oreochromis mossambicus</i>) larvae and juveniles in a chronic exposure to the HIV drug nevirapine. Marie Clémentine Nibamureke (183-W)	Haemorheologic and biochemical parameters of pre-eclamptic patients in University of Calabar teaching hospital, Calabar, Nigeria. Euphoria Akwiwu (398-H)	Influence of eco-friendly control strategies on the germination of mycotoxin secreted <i>Fusarium verticillioides</i> infested maize. Oluwafolake Akinbode (614-FS)	The feasibility of implementing managed aquifer recharge (MAR) as part of efforts to addressing climate change impacts on groundwater recharge in Ghana Lydia Kwoyiga (283-cc)
Adsorption of BTEX Compounds from Water Using Green-Synthesized Iron Nanoparticles. Oluwademilade Fayemiwo (371-W)	Nutritional Status of Some Pregnant Women Attending Antenatal Clinic at State Specialist Hospital, Nigeria. Mary Ajatta (660-H)	Paleoenvironmental and climatic reconstruction based on geochemical evolution of lunette dunes sediments from the western Free State Panfield, South Africa. Mulalo Rabumbulu (602-EO)	Effect Of Application Of Aqueous Extract Of Moringa Leaf On Growth And Yield Of Tomato (<i>Solanum Lycopersicum</i> L.) - Olabisi Adekola (294-FS)
Investigating Industrial Effluent Impacts on Municipal Wastewater Treatment Plant. Eunice Chizube Iloms (688-W)	Numerical Simulation Of Velocity And Pressure Fields For Fluid Flow Through Microtubes With Complex Geometries Rokhiya Dia (564-H)	Investigating Environmental Issues Awareness, Knowledge and Attitude towards Environmental Education among Secondary School Students in Ondo State, Nigeria. Toyin Owoyemi (675-EO)	CHAIR: Optimal waist circumference cut-off points for predicting metabolic syndrome among low-income black South African adults Eyitayo Owolabi (568-H)
Poly(1,2-carboxyethylpyrrole) core-shell magnetic nanocomposites: Synthesis, characterization and magnetic separation tools for preconcentration of bacteria Themisile Mahlangu (569-W)	Realising the potential of indigenous food in cancer control and management. Vidushi Neergheen Bhujun (384-H)	Antioxidant-rich biscuit from an underutilized crop to combat oxidative stress. Rebecca Olajumoke Obafaye (312-FS)	
CHAIR: Can the black box be cracked? High throughput sequencing to understand wastewater bioremediation. Niti Jadeja (402-W)	CHAIR: Immunological and histological assessment of the effect of gelonin and deglycosylated gelonin in rats Sandra Misquith (487-H)	CHAIR: The Five-Factor Model: An exploratory study on the personality profile of STEM students in a Nigerian University. Caroline Ofovwe (307-EO)	



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DAY 3 (23 March 2018): Breakaway 10:35-12:05

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Venue 1: EO, H	Venue 2: I, DR, SC	Venue 3: CC, FS, H, DM	Venue 4: W, E, DM
Geographical distribution and physical access to public healthcare facilities Thendo Mugwena (591- H)	A Mixture GARCH approach to Crude oil price Volatility with extensions to Financial risk modelling Mary Akinyemi (506-I)	CHAIR: Diarrhoea prevention in South Africa – the way forward. Michelle Groome (553 - H)	Statistical Analysis Of Road Traffic Accidents Fatality Using Poisson And Negative Binomial Regression Olabimpe Aladeniyi (169-DM)
Multiple drug resistance of <i>Campylobacter jejuni</i> and <i>Shigella</i> isolated from diarrhoeic children aged under five years admitted at Kapsabet County Hospital, Kenya Lizzy Mwamburi (611-H)	Utility of satellite remote sensing in monitoring environmental impacts associated with granite quarrying Refilwe Moeletsi (560-DR)	Utilization of Bambara (<i>Vigna subterranea</i> (L) Verde) nuts for Tannase Production by a novel <i>Bacillus pumilus</i> strain AJ-2 MF083685. Adesola Ajayi (383-FS)	Genetic Diversity Studies in Toxicant Stressed Populations of <i>Tilapia zillii</i> in three Nigerian Reservoirs. Tofunmi Oladimeji (226 - E)
Reclassification of early stage breast cancer into treatment groups using microarray analysis Kathleen Ann Grant (665-H)	Screening of Wild and Mutant Strains of Fungal Isolates from Plantain (<i>Musa paradisiaca</i>) Stalks for Amylase Production Oluwatoyin Olukunle (418- I)	Extended – spectrum beta lactamase mediated resistance from abattoir effluents. Obakpororo Agbagwa (288-H)	Modelling Ammonia-Nitrogen Fate and Transport in UMngeni River. Nomandla Nxusa (537- W)
Effect of iron status on age of onset in patients with multiple sclerosis Kelebogile Moremi (674- H)	Estimation of zero-rebate knock-out barrier options using antithetic Monte-Carlo simulations Nneka Umeorah (125- I)	Effect of hydrocarbon pollution on microbial diversity and implication for bioremediation Chinedu Obieze (415-CC)	Detection of virulent thermophilic <i>Campylobacter</i> species in chicken cloacal samples-Marie Bissong (211-FS)
E-Inclusion of the Visually Impaired: The Case of Higher Education Institutions' Websites in Ghana. Millicent Agangiba (233-EO)	Securing smart cities by smart card and fingerprint verification Kedimotse Baruni (587-SC)	Development of Nanoemulsion as a Potential Medium for the Transdermal Delivery of Insulin and Chlorpromazine Drug Titilope Adebawale (711-H)	Starch digestion kinetics of ripe and unripe plantain (<i>Musa AAB</i>) - Ebun-Oluwa Oladele (246-FS)
CHAIR: Antoinique van Staden	CHAIR: Statistical Change Point Analysis of Sales and Production Volumes of Precious Metals: Univariate and Bivariate Approach Michael Ingham (370-I)		CHAIR: The impact of motivation and role modeling on the female students choice of science and engineering discipline in four tertiary institutions in Rivers State, Nigeria (A case study) Ihesinachi Kalagbor (426)



**2018 International
Women in Science Without Borders (WISWB)-Indaba**
School of Tourism and Hospitality, University of Johannesburg, South Africa