



ANALITIKA 2018 PROGRAMME

Sunday 22 July 2018			
14:00 – 18:00	Exhibition stand build-up		
14:30 – 17:30	Registration and check-in (open area between Monomatapa and Sofala)		
15h00	Game Drives (pre-booking)		
18:00 – 21:00	Welcome Function Transport departing from Monomatapa Village		
Monday 23 July 2018			
8h00	Registration		
8h30	Conference welcome address: Patricia Forbes VENUE: Queen of Sheba		
8h40	Chair: Patricia Forbes Plenary 1: Graham Cooks Organic synthesis and chemical analysis by mass spectrometry		
9h40	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> VENUE: Queen of Sheba Session Chair: Patricia Forbes Keynote 1: Innovative analytical approaches for analysis of ambient air well as emission- and workplace-aerosols Ralf Zimmermann </td> <td style="width: 50%; vertical-align: top;"> VENUE: Sofala Session Chair: Charlotta Turner Keynote 2: Chemical profiling to identify marker compounds for quality control using UPLC-MS and rTLC Sandra Combrinck </td> </tr> </table>	VENUE: Queen of Sheba Session Chair: Patricia Forbes Keynote 1: Innovative analytical approaches for analysis of ambient air well as emission- and workplace-aerosols Ralf Zimmermann	VENUE: Sofala Session Chair: Charlotta Turner Keynote 2: Chemical profiling to identify marker compounds for quality control using UPLC-MS and rTLC Sandra Combrinck
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	by gas chromatography mass spectrometer determination Somandla Ncube	
11h50	LA4: Routine pesticide multi methods redefined – maximizing benefits of high resolution mass spectrometry in food contaminant analysis Laszlo Hollosi	LB4: Phytoremediation potential of Hyptis suaveolens and Euphorbia hirta weed plants Stephen Agwuncha
12h10	LA5: Flower of Typha latifolia as a low cost adsorbent for removal of selected multi pesticide residues in contaminated aqueous samples Teshome Dadi	LB5: Chemical profiling of Marchantiophyta occurring in South Africa Johan Linde
12h30	LUNCH	
13h30	Chair: Liezel van der Merwe Plenary 2: Walter Focke The power of thermal analysis in applied materials research	
14h30	Session Chair: Graham Cooks LA6: Screening of antiretroviral compounds and their metabolites in aqueous environmental matrices using UHPLC-HRMS, UHPLC-MS/MS and SFC-MS/MS Tlou Mosekiemang	Session Chair: Walter Focke LB6: Application of thermogravimetric analysis in the investigation of mineral transformations during thermochemical treatment of mineral wastes Sameera Muhamed
14h50	LA7: Non-steroidal anti-inflammatory drugs residues in river water, sediments and aquatic plant species of Mbokodweni River in South Africa Lawrence Madikizela	LB7: Environmental rating of pneumatic tyres Motshabi Sibeko
15h10	LA8: A novel fluorescence sensor for acetaminophen Hanieh Montaseri	LB8: A thermogravimetric investigation into the synthesis of cobalt (III) fluoride Bernard Vilakazi
15h30	TEA	
16h00	LA9: The analysis of endogenous steroids in human urine by GC-C-IRMS Elandré Marais	LB9: A comparison of different quantification approaches for trace analysis by high resolution inductively coupled plasma mass spectrometry (HR- ICP-MS) – The case of elements in soil Angelique Botha
16h20	LA10: Stability of some of the components of the street drug nyaope in organic solvents Pabalala Mthembu	LB10: Real Time Process Control Analyses by Hand Held X-Ray Fluorescence Spectroscopy for PGM Processing Chantelle Engelbrecht
16h40	LA11: Removal of sulphonamide drugs from wastewater using nanofiber from Moringa Stenopetala protein extract Temesgen Kebede	LB11: Gravimetric preparation and value assignment of a high accuracy elemental calibration standard solution – critical aspects Maré Linsky
17h00	LA12: Analytical Techniques and Requirements of a Doping Control Laboratory Ebeth Grobbelaar	LB12: Determination of rare earths and non-rare earths in metallurgical samples by inductively coupled plasma optical emission spectroscopy Dhiroshnee Govender
17h30	SAAMS AGM (Queen of Sheba)	
18h30	Braai in the White Lion Lapa	

Tuesday 24 July 2018

8h00	Registration	
8h30	VENUE: Queen of Sheba Chair: Lily Marjanovic Plenary 3: Gary Hieftje Is There No Better Analytical Plasma Source than the ICP?	
9h30	VENUE: Queen of Sheba Session Chair: Ralf Zimmermann Keynote 3: Silicone rubber concentrating samplers – from environmental and aroma applications to the analysis of human skin volatiles by GCxGCMS Egmont Rohwer	VENUE: Sofala Session Chair: Gary Hieftje Keynote 4: Challenges in developing a South African herbal Pharmacopeia - A national priority Alvaro Viljoen
10h00	LC1: Analysis of Semi Volatile Organic Compounds (SVOC) with In-situ Derivatization Thermal Desorption Two-dimensional Gas Chromatography and Time of Flight Mass Spectrometry (IDTD-GCxGC-ToF-MS) Juergen Orasche	LD1: Identification of lignin oligomers in kraft lignin using high-resolution mass spectrometry Jens Prothmann
10h20	LC2: Additive assisted DLLME and UHPLC-ESI-MS for trace analysis of a secondary biogenic emission marker in atmospheric aerosols Hafiz Abdul-Azeem	LD2: UPLC-MS analysis of phenolic compounds in rooibos tea (<i>Aspalathus linearis</i>) with a comparison of flavonoid-based compounds in plants from different regions Malcolm Taylor
10h40	TEA	
11h10	Session Chair: Wiana Louw LC3: Evaluation of sample preparation methods for GC-MS and GC x GC-HR-TOFMS analysis of South African Chenin blanc volatiles Sithandile Ngxangxa	Session Chair: Luke Chimuka LD3: A simple validated method for the extraction and quantification of tazarotenic acid in human plasma by high performance liquid chromatography tandem mass spectrometry Machel Leuschner
11h30	LC4: A comparison of the results obtained for the analysis of South African Pinotage wines using Hydrogen and Helium as carrier gases Peter Gorst-Allman	LD4: Biotin labelling based method for membrane protein enrichment Wonder Nxumalo
11h50	LC5: Total analysis and speciation of arsenic in South African staple food products by Ion Chromatography coupled to Inductively Coupled Plasma Mass Spectrometry (IC-ICP-MS) Magadima Thosago	LD5: Development and validation of a method for small peptides for doping control Faith Ndluvo
12h10	LC6: Chemical profiling of the human skin surface for malaria vector control using a non-invasive solvent modified sorptive sampler with GCxGC-TOFMS and UPLC-IMS-HRMS Madalien Wooding	LD6: Accurate mass spectrometric peptide detection and quantitation in food: the case of allergens and meat speciation Volker Krufft
12h30	LUNCH	
13h30	VENUE: Queen of Sheba Chair: Matthew Nindi Plenary 4: Charlotta Turner Green and sustainable analytical chemistry – From plants to high-value products	

14h30	LC7: Analysis of oxidised heavy paraffinic products by high temperature comprehensive two-dimensional gas chromatography Hein Potgieter
14h50	LC8: Combination of freeze crystallization and vacuum evaporation as pre-treatment for the recovery of commercial products from coal mine drainage Nsaka Ntumba
15h10-16h40	POSTER SESSION (TEA served from 15h30-16h00)
16h40	ChromSA AGM (Sofala)
19h15	Conference Dinner: Queen of Sheba
Wednesday 25 July 2018	
8h30	Registration
9h00	VENUE: Sofala Session Chair: Egmont Rohwer Keynote 5: Luke Chimuka Technical development and optimisation of passive samplers for metal ions in polluted water bodies
9h30	LE1: Method development for the determination of halogenated organophosphorus flame retardants in water samples Tlou Chokwe
9h50	LE2: Factorial Design Optimization of Solid Phase Extraction For Preconcentration Of Parabens In Wastewater Using Ultra-High Performance Liquid Chromatography Triple Quadrupole Mass Spectrometry Vallerie Muckoya
10h10	TEA
10h40	LE3: Petroleum hydrocarbon profiles of water and sediment of Algoa bay, Eastern Cape, South Africa Abiodun Adeniji
11h00	LE4: Environmental fate of persistent organic pollutants: Their mobility and detection in coal and sediment leachates Mathapelo Seopela
11h20	LE5: Dissolution of wild silkworm (<i>Argema mimosae</i>) silk fibroin and fabrication of films Hlobsile Kgomo
11h40	LE6: Non-routine methods and how they fit in an analytical facility Jeanri Coetzee
12h00	LE7: Connecting the dots.....imputation of missing analytical and environmental data using machine learning techniques Hlanganani Tutu
12h20	CLOSURE Patricia Forbes
12h30	LUNCH