



Southern
African
Society of
Aquatic
Scientists



25/26-28 June 2017
Birchwood Hotel & OR Tambo
Conference Centre

Programme

SUNDAY 25TH JUNE

	14h00-18h00	Registration Opens	
	18h00-19h30	Welcome and dinner	

MONDAY THE 26TH JUNE

	7h30-8h30	Registration Opens	
	8h30-8h45	House Keeping	
Plenary Session	8h45-9h30	Dr Jamie Dick	Metrics based on comparative functional responses and abundance reliably predict aquatic invasive species identities and ecological impacts
	9h30-10h00	Olaf Weyl	Is native fish conservation in headwater streams as easy as removing alien fishes?
	10h00-10h30	Ruan Gerber	Biomarker responses in tigerfish (<i>Hydrocynus vittatus</i>) as a tool to identify pollutant effects in ecologically sensitive subtropical systems
	10h30-11h00	Tea time	
Morning session	Ecotoxicology		
	11h00-11h15	Nico Wolmerans	Organochlorine pesticide accumulation in African sharptooth catfish (<i>Clarias gariepinus</i>) and associated health risk, from a major South African urban area
	11h15-11h30	Chris Sihoka	Modelled serial blood sampling protocol for toxicokinetic studies in small to medium sized adult Tilapia
	11h30-11h45	Claire Edwards	Preliminary results of Oxidative stress biomarkers in <i>Synodontis zambezensis</i>
	11h45-12h00	Zviregei Jiri	Antioxidant enzymes in <i>Oreochromis niloticus</i> as early warning signals in assessing metal pollution from Acid Mine Drainage and diffuse sources of pollutants in a sub-tropical river
	12h00-12h15	Hannes Erasmus	Metal bioaccumulation in different macroinvertebrate functional feeding groups from a river impacted by gold mine effluent
	12h15-12h30	Tholoana Ntokoane	Determination of sample size sufficiency for a stereological study on the effect of trenbolone acetate on the ovaries of <i>Oreochromis mossambicus</i>
	12h30-13h30	Lunch	



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Mid Afternoon session	Behaviour monitoring		
	13h30-13h45	Bianca Hannweg	Behaviour and habitat association of <i>Pseudobarbus aferin</i> the Swartkops River South Africa"
	13h45-14h00	Ryan Wasserman	Using functional responses to quantify interaction effects among predators
	14h00-14h15	Fabricio de Andrade Frehse	Evaluation of fish colonization and use of artificial habitats in a Brazilian reservoir using different sampling methods
	14h15-14h30	Nombongo Makati	Impact of seasonality on macroinvertebrate assemblage structure in the Tsitsikamma River, Eastern Cape, South Africa
	14h30-14h45	Sean Marr	Training the next generation of aquatic scientists through field exposure to river research and monitoring methods
	14h45-15h00	Rozwivhona Magoba	Temporal variability of macroinvertebrates of the Berg River catchment
	15h00-15h30	Tea time	
Late afternoon Session	Macro-Invertebrates		
	15h30-15h45	Frank Akamagwuna	A trait-based approach to evaluating selected macroinvertebrate taxa response to elevated fine sediment concentrations in the Tsitsa River and its tributories, Eastern Cape, South Africa
	15h45-16h00	Nokonwaba Fasi	Assessment of the Tyhume River Health Status using Macroinvertebrates as indicators
	16h00-16h15	Lizaan de Necker	Assessing aquatic invertebrate succession of floodplain pans after a simulated flood: a mesocosm approach
	16h15-16h30	Elané Lubbe	Fish and aquatic invertebrate diversity of the Seekoeivlei Nature Reserve
TUESDAY THE 27TH JUNE			
	7h30-8h30	Registration Opens	
	8h30-8h45	House Keeping	
Plenary Session	8h45-9h30	Rob Hart	Evaluating outcomes of restorative biomanipulation management of a hypertrophic South African river impoundment through long-term cross-system comparison of remotely sensed trophic status monitoring data
	9h30-10h00	Johan v Vuren	Freshwater fish as indicators of pollution. Findings and challenges
	10h00-10h30	Gordon o Brien	Framework for regional evaluations of e-flows in the Nile Basin
	10h30-11h00	Tea time	



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Management			
Morning session	11h00-11h15	Anrich Koch	Diatom community structure and the relationship with water quality within Lake Sibaya
	11h15-11h30	Tascha Vos	Periphyton as a biomonitoring tool in non-perennial, regulated rivers in central South Africa
	11h30-11h45	Candice Haskins	First flush algal bloom events and implications for adaptive management of urban water bodies
	11h45-12h00	Sanet Hugo	Keiskamma aquatic invertebrate communities: new multivariate modelling methods
	12h00-12h15	Hlulani Hlungwani	Assessing the potential to establish an inland fishery in flag Boshielo dam, Limpopo Province, South Africa
	12h15-12h30	Lubabalo Mofu	Using functional responses to assess relative impact potential of successfully introduced fishes in man-made aquatic environments
12h30-13h30		Lunch	
Posters			
Mid Afternoon session	13h30-15h00	POSTER SESSION	
	13h45-14h00		
	14h00-14h15		
	14h15-14h30		
	14h30-14h45		
	14h45-15h00		
15h00-15h30		Tea time	
Invasion Biology			
Late afternoon Session	15h30-15h45	Nathan Baker	Preliminary results for an assessment of the aquatic macro-invertebrate diversity within the Nyl and Kogalakwena river system
	15h45-16h00	Sanet Hugo	Keiskamma aquatic invertebrate communities: new multivariate modelling methods
	16h00-16h15	Simone Dahms	Toxicity range determination of vanadium on <i>Xenopus laevis</i> embryos via Frog Embryo Teratogenesis Assay-Xenopus (FETAX)
	16h15-16h30	Sarel Brand	Measuring the impact of nanogold (nAu) on the swimming performance of <i>Danio rerio</i> in an acute exposure study
WEDNESDAY THE 28TH JUNE			
7h30-8h30		Registration Opens	
8h30-8h45		House Keeping	
Plenary Session	8h45-9h30	Nico Smit	A brief review of the socio-ecological system management of the lower Phongolo River and floodplain using relative risk methodology
	9h30-10h00	Wynand Malherbe	The aquatic biodiversity of selected South African Ramsar wetlands
	10h00-10h30	Darragh Woodford	Can trophic ecology indicate impacts of land management on savanna headwater streams?



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	10h30-11h00	Tea time	
Morning session	River and stream monitoring		
	11h00-11h15	Jeff Hean	Using BRUVs to assess diversity and abundance of fishes in the Lake Niassa Reserve, Lake Niassa, Mozambique
	11h15-11h30	Carla Higgs	Four years of monitoring the health of rivers in Kwazulu-Natal
	11h30-11h45	Matthew Burnett	Evaluating seasonal habitat utilisation behaviour by <i>Labeobarbus marequensis</i> using telemetry techniques
	11h45-12h00	Céline Hanzen	Changes in distribution and genetic diversity of anguillid eels along the east coast of KwaZulu-Natal, South Africa
	12h00-12h15	Michiel Jonker	Spatial and temporal variation in two sub-catchments on the Wilge River System near Ogies
	12h15-12h30	Skhumbuzo Khubeka	Is <i>Pseudobarbus quathlambae</i> (Maluti minnow) really extinct? New sighting after 47 years!!!
	12h30-13h30	Lunch	
Mid Afternoon session	Ecotoxicology		
	13h30-13h45	Lee-Ann Modley	A comparative histological assessment of two indicator fish species from the three rivers flowing into the hyper-eutrophic Roodeplaat Dam
	13h45-14h00	Thato Bengu	Health effects in fish from the polluted Orlando Dam and Klipspruit wetland
	14h00-14h15	Clementine Nibamureke	The potential effects of the HIV drug nevirapine on the hatching success and survival of the Mozambique tilapia larvae
	14h15-14h30	Lesley Bloy	The thermal preference and tolerance of the endangered Eastern Cape redbfin, <i>Pseudobarbus afer</i>
	14h30-14h45	Anja Greyling	The use of stable isotope analysis to assess intertidal rocky shore food webs from different climatic zones and potential metal biomagnification
	14h45-15h00	Tarryn Botha	Using <i>Danio rerio</i> swimming behaviour as an indicator for nanomaterial ecotoxicity
	15h00-15h30	Tea time	
Late afternoon Session	SASAqS AGM		
	15h30-15h45	SASAqS AGM	
	15h45-16h00		
	16h00-16h15		
	16h15-16h30		
	16h30-16h45		
16h45-17h00			
	18h00-	Gala Dinner	