

THE TIDES ARE CHANGING

SAIAB Student Symposium 2023



DATE: 24 NOVEMBER 2023

VENUE: AMAZWI LITERATURE MUSEUM

Time	Topic	Presenters	In-person/ Online/ Cancellation
8:00-8:30	Registration		
MC: Prof. Francesca Porri:			
8:30 – 8:40	Welcoming & Keynote speaker introduction	Dr Albert Chakona/ Prof. Francesca Porri	In-person
8:40 – 9:10	Life and Science	Prof. Christopher McQuaid	In-person
Chair: Dr Tadiwa Mutizwa			
9:10 – 9:20	Investigating the environmental influence on fish presence and abundance in the Keurbooms Estuary, South Africa	Thembelihle Ndlovu (MSc)	In-person
9:20 – 9:30	Morphological and molecular characterisation of four new species of <i>Trypanosoma</i> from fishes of the south coast of South Africa	Chandra le Roux (MSc)	In-person
9:30 – 9:40	Port of Ngqura: a clearly artificial yet totally unexpected sanctuary for fish	Vivienne Dames (PhD)	In-person
9:40 – 9:50	Assessment of the multi-species Barotse floodplain fishery of the Upper Zambezi system	Nawa Nawa (PhD)	In-person
9:50 – 10:00	Re-assessing species limits within the lowveld largescale yellowfish <i>Labeobarbus marequensis</i> (Smith 1841) from southern Africa	Tholoana Ntokoane (PhD)	In-person
10:00 – 10:10	Ecotoxicological responses of the African turquoise killifish <i>Nothobranchius furzeri</i> to chemical and biological stressors	Nichole Donough (PhD)	In-person
10:10 – 10:20	The role of the new uThukela Banks Marine Protected Area in protecting threatened sharks and rays in KwaZulu-Natal	Jade Vermeulen (MSc)	Cancellation
10:20 – 10:30	Distribution, abundance and habitat characteristics of <i>Cyperus textilis</i>	Vuyolwethu Mxo (PhD)	In-person
10:30-10:35	Plicker session		
10:35-11:00	Tea Break		

Chair: Dr Ross-Lynne Gibb			
11:00-11:10	Characterising the historical suitable habitat of <i>Bulinus globosus</i> in the Vhembe District, Limpopo Province	Dolley Thibedi (MSc)	Online
11:10-11:20	The geology and geomorphology of the Thukela Bank: towards ground-up marine spatial planning	Thamsanqa Wanda (PhD)	Online
11:20 – 11:30	Mapping historic schistosomiasis risk areas in Johannesburg and Tshwane Municipalities	Thabani Khwela (MSc)	Online
11:30-11:40	Measuring the effectiveness of Marine Protected Areas (MPAs) for the commercial line fishing sector in KwaZulu-Natal	Enya Munting (MSc)	Online
11:40-11:50	Light trap efficiency validation for larval assemblages in urban coastal habitats	Nobuhle Mpanza (PhD)	In-person
11:50-12:00	A multi-method approach to assess habitat use and connectivity by juvenile coastal fishes in St. Francis Bay seascape	Thembanani Mkhize (PhD)	In-person
12:00-12:10	Trajectories of change in South Africa's freshwater fish fauna: using historic data to support assessment and management of threatened species	Mohammed Kajee (PhD)	In-person
12:10-12:20	Assessing day-night changes in shallow and deep temperate reef fish assemblages using environmental DNA metabarcoding and stereo-BRUVs	Mpilonhle Nyawo (PhD)	In-person
12:20-12:30	Building the foundation for efficient monitoring of mesophotic fishes to support management of the uThukela Banks Marine Protected Area	Thembelihle Dube (MSc)	In-person
12:30-12:40	Automating anomaly detection in telemetry dataset and fish movement patterns using Long Short Term Memory and auto-encoders: a time series analysis approach	Siphendulwe Zaza (MSc)	In-person
12:40-12:50	Seascape Mapping and Modelling: Shallow water habitat mapping in Cape Recife, Algoa Bay	Sivuyisiwe Cweba (MSc)	In-person

12:50-13:00	Movement behaviour and migration patterns of flathead mullet <i>Mugil cephalus</i> in the Kowie Estuary, South Africa	Dinah Mukhari (PhD)	In-person
13:00-13:05	Plicker session		
13:05-14:00	Lunch		
Chair: Dr Phumza Ndaleneni			
14:00-14:10	Ecology of <i>Parechinus angulosus</i> sea urchin: a model for fisheries and ecological resilience?	Suzanne Redelinghuys (PhD)	In-person
14:10-14:20	A first insight into the parasitic communities of <i>Labeobarbus marequensis</i> within the Letaba River in South Africa: a baseline to determine the historical ecology of parasitism	Tshenolo Masilo (MSc)	In-person
14:20-14:30	Potential use of the indigenous knowledge systems for nature-based ecological engineering applications along an urban coastline: the early (biofilm) beginnings	Jabulani Ndaba (PhD)	Online
14:30-14:40	Habitat use and movements of three sympatric mullet species revealed by acoustic telemetry	Bantony Ziko (PhD)	In-person
14:40-14:50	Review of the southern African genus <i>Heteromormyrus</i> Steindachner 1866 (Teleostei: Mormyridae) with a description of six new species	Tadiwa Mutizwa (PhD)	In-person
14:50-15:00	Comparing Natural and Artificial Coastal Habitats: insights from Complexity, Soundscape and Physiology	Siphelele Dyantyi (PhD)	In-person
15:00-15:10	First insights into the population genomics of the Critically Endangered seventy-four seabream <i>Polysteganus undulosus</i>	Jody-Carynn Oliver (PhD)	In-person
15:10-15:20	Understanding the interoperability and complementarity of disparate fish visual census techniques and optimising data value for stakeholders	Angus van Wyk (PhD)	Online
15:20-15:30	The implementation of eDNA in determining species and population structure of Chondrichthyes	Melissa Govindsamy (MSc)	Cancellation

15:30-15:40	Revalidation of <i>Enteromius crocodilensis</i> from synonymy with <i>E. argenteus</i> , with some preliminary insights on the biogeography of southern African large sawfin barb	Martinus Scheepers (PhD)	In-person
15:40-15:50	Developing a framework for predicting the future distributions of coastal fishery species	Nonhle Mlotshwa (PhD)	In-person
15:50-15:55	Keynote speaker introduction	Prof. Francesca Porri	In-person
15:55-16:25	At their limits: evaluating the scale and impact of anthropogenic-induced stressors on mangroves and their macrofauna	Dr Lyle Vorsatz	In-person
16:25-16:35	Prize giving	Siphelele and Suzanne	In-person
16:35-16:40	Vote of thanks	Dr Albert Chakona	In-person

