

52nd Annual PARSA Conference

Stronger Together: Advancing Parasitology with Collaboration

6-8 October 2024 | Villa Paradiso, Hartbeespoortdam

<https://savetcon.co.za/parsa2024/>



PROGRAMME

Sunday 06 October 2024

15h00	Registration Opens
15h00	Poster applications in Plenary Venue
17h30	Drinks, light snacks and networking

Monday 07 October 2024

Time	Abstract #	Description	Speaker
Session 1 - Chair: Kerry Hadfield Malherbe			
08h00		Registration opens	
08h30		Welcome and Opening	Prof. Kerry Malherbe, North-West University
08h45		Keynote 1 - South Africa's Marine Parasitology in the 21st century: capacity building through international collaboration	Prof. Nico Smit, North-West University
09h15	11	<i>Thaparocleidus</i> spp. (Monopisthocotylea) from Striped catfish, <i>Pangasianodon hypophthalmus</i> (Sauvage, 1878) imported from Sri Lanka and Indonesia: a small taxonomic head twister	Dr Iva Prikrylová, University of Limpopo
09h30	24	Ecto- and endoparasites of clariids in the Upper Congo Basin: Examining diversity	Mr Gyrhais K. Kasembele, University of Lubumbashi
09h45	55	Parasite conservation: an unusual topic, but increasingly recognised as a crucial component of ecosystem health	Prof. Wilmien J. Luus-Powell, University of Limpopo
10h00		Mid-morning refreshments	
Session 2 - Chair: Luther van der Mescht			
10h30	52	Ectoparasite diversity of small terrestrial mammals	Dr Lehlohonolo S. Mofokeng, University of the Free State
10h45	19	Gastrointestinal parasitic fauna of two sympatric species of the genus <i>Genetta</i> (Carnivora, Viverridae) in the Great Fish River Reserve	Mr Owabo Mkhehle, University of the Witwatersrand
11h00	31	Morphological and molecular characterisation of amphistomes infecting cattle and wildlife ruminants from selected locations in South Africa and Zimbabwe	Prof. Samson Mukaratirwa, Ross University School of Veterinary Medicine
11h15	14	Tsetse flies (<i>Glossina austeni</i> and <i>G. brevipalpis</i>) apparent densities between 2008-2019 in the north-eastern KwaZulu Natal Province of South Africa	Mr Percy M. Moyaba, Agricultural Research Council-Onderstepoort Veterinary Research (ARC-OVR)
11h30	8	Advancements in Equine Piroplasmiasis diagnostics: From traditional methods to molecular innovations	Dr Raksha V. Bhoora, University of Pretoria
11h45	9	KGOFA Project: Supporting tick and tick-borne pathogen control	Ms Alice Iddon, University of Liverpool



Monday 07 October 2024

Time	Abstract #	Description	Speaker
12h00	Poster Session 1		
13h00	Lunch & Networking		
Session 3 - Chair: José Dumbo (TBC)			
14h00	33	Acaricide resistance status of ticks on cattle in South Africa and the way forward	Dr Luther van der Mescht, University of the Free State
14h15	58	Novel multiplex detection of important tick-borne pathogens of cattle and dogs	Ms Nokuzola F. Nkosi, University of Pretoria
14h30	63	Species diversity and attachment preference site of hard ticks infesting equines from the Free State and KwaZulu-Natal, South Africa	Ms Thlonolofatso M. Sefojane, University of the Free State
14h45	4	An analysis of the gaps in the South African DNA barcoding library of ticks of veterinary and public health importance	Ms Nozipho Khumalo, The South African National Biodiversity Institute (SANBI)
15h00	41	Investigating the potential of age-related resistance of cattle to hard ticks for tick control	Ms Elizna Terblans, University of the Free State
15h15	Mid-afternoon refreshments		
Session 4 - Chair: Samson Mukaratirwa			
15h45	54	The first record and description of the male corallanid isopod <i>Argathona lineata</i> from Borneo shark hosts	Ms Kelsey Longstaff, North-West University
16h00	27	New species of <i>Paradiplozoon</i> Akhmerov, 1974 from <i>Labeo victorianus</i> Boulenger, 1901 in River Nyando, Kenya	Dr Nehemiah M. Rindoria, University of Limpopo, South Africa and Kisii University, Kenya
16h15	35	A new species of <i>Trilobovarium</i> (Digenea: Opecoelidae) from <i>Sillago sihama</i> (Forsskål) (Sillaginidae) in Maputo Bay, Mozambique, based on an integrative systematic approach	Prof. José Dumbo, Eduardo Mondlane University
16h30	50	Expanding the scope of an Aquatic Biodiversity Biobank: Integrating diverse collections for comprehensive research	Ms Seshnee Reddy, South African Institute for Aquatic Biodiversity (SAIAB)
16h45	Close of Day 1		
17h00	PARSA AGM - MEMBERS ONLY		
18h30	Welcome Reception – Build your own Pizza!		

Tuesday 08 October 2024

06h30	<p>Sunrise Yoga Session</p> <p>This is an optional activity for all attendees. Join us on the lawns for a relaxing a 30-minute yoga session. Bring along a towel/mat to sit on, comfortable clothes and a bottle of water. No experience required; all fitness levels welcome!</p>
-------	---



Tuesday 08 October 2024

Time	Abstract #	Description	Speaker
Session 5 - Chair: Oriel Thekiso			
08h30		Keynote 2 - African Trypanosomes and the Human Blood-Brain Barrier: A Collaborative Adventure	Prof. Dennis Grab, Uniformed Services University of the Health Sciences, Bethesda, MD, USA
09h00	39	Molecular detection of animal trypanosomes infecting cattle in the northeastern KwaZulu-Natal Province, South Africa	Ms Naledi D. Serage, North-West University
09h15	25	Expression and characterisation of a <i>Babesia bovis</i> GPI-anchored hypothetical protein as a potential diagnostic candidate	Mr Thandikhaya Bambeni, University of Pretoria
09h30	15	Eco-epidemiology of the zoonotic parasite <i>Toxoplasma gondii</i> among wildlife in Kruger National Park, South Africa	Ms Madeli de Bruin, University of Pretoria
09h45	61	An evaluation of the efficacy of acaricidal plants used against canine associated ixodid ticks: A systematic review	Ms Gantshe G. Molaba, Tshwane University of Technology
10h00	Mid-morning refreshments		
Session 6 - Chair: Lehlohonolo S. Mofokeng			
10h30	3	Revised life cycle in man of the malaria parasite <i>Plasmodium</i>	Prof. Miles B. Markus, University of the Witwatersrand
10h45	37	Genotypic characterisation of <i>Cryptosporidium</i> from animal isolates in the Limpopo Province	Prof. Amidou Samie, University of Venda
11h00	16	Intra- and interspecific variation of <i>Amblyomma</i> ticks from southern Africa	Dr Aneliza Smit, University of Pretoria
11h15	46	Eukaryotic microbiome of ticks and humans in the rural Mnisi community situated in Mpumalanga, South Africa	Ms Rebecca Ackermann, University of Pretoria
11h30	30	Revolutionising <i>Anaplasma</i> genomics: strategy to obtain the genome sequence from carrier cattle	Dr S. Marcus Makgabo, University of South Africa (UNISA)
11h45	23	Assessment of two quantitative real-time PCR assays and 16S microbiome sequencing to detect a novel <i>Anaplasma</i> species in dogs	Ms Bianca Bezuidenhout, University of Pretoria
12h00	Poster Session 2		
13h00	Lunch & Networking		
Session 7 - Chair: Iva Prikrylová			
14h00	34	What do we know about <i>Lamproglana clariae</i> as an indicator of metal pollution after almost 30 years?	Prof. Annemarié Avenant-Oldewage, University of Johannesburg
14h15	21	The zoonotic potential of snail-borne parasites in the Okavango Delta, Botswana	Prof. Maxwell Barson, University of Botswana
14h30	2	Long distance travellers find home in South Africa: bioinvasions and gastropod-trematode associations in the Crocodile River (West) system	Dr James O. Outa, University of Johannesburg
14h45	12	Composition of monopisthocotylean infestations in Ornamental Cichlidae imported into South Africa	Mr Prince S. Molokomme, University of Limpopo
15h00	69	One or two <i>Rhipidocotyle</i> spp. (Digenea: Bucephalidae) from sawtooth barracuda in Mozambique - using integrative taxonomy to solve the riddle.	Dr Quinton M. Dos Santos, University of Johannesburg
15h15	60	Redescription of <i>Gnathia tridens</i> Menzies & Barnard 1959 (Isopoda: Gnathiidae): molecular and morphological evidence	Dr Anja Erasmus, North-West University - Water Research Group
15h30	Mid-afternoon refreshments		



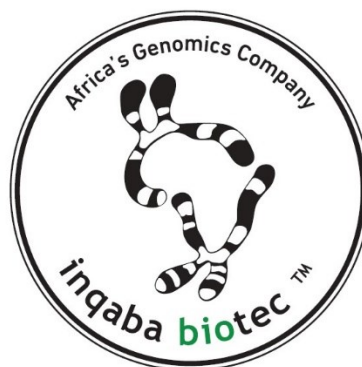
Tuesday 08 October 2024

Time	Abstract #	Description	Speaker
Session 8 - Chair: Faith Nkosi			
16h00	45	Evaluation of host serum metabolome in <i>H. contortus</i> infected goats using an untargeted metabolomics approach	Ms Ontiretse B. Kube, University of Pretoria
16h15	42	Attitudes of communal goat farmers on the prevalence and control of gastrointestinal nematodes	Mr Khanyisani C. Ndwandwe, University of Pretoria
16h30	64	The identification of parasitic gastrointestinal nematodes of naturally infected sheep in the Maluti-A-Phofung municipality, Free State	Dr Nthatsi Nyembe, University of the Free State
16h45	5	Epidemiology and diversity of gastrointestinal tract helminths of wild ruminants in Sub-Saharan Africa: A review	Ms Veronica Phetla, The South African National Biodiversity Institute (SANBI)
17h00	Close of Conference & Words of Thanks		
19h00	Conference dinner & awards (Dress: Smart casual)		

Wednesday 09 October 2024

10h00	Check-out
-------	-----------

With appreciation to our sponsors





POSTERS

Monday 08 October 2024 – Poster Session 1: 12h00-13h00

Description	Speaker
[07] Assessing the effects of ionic silver and silver nanoparticles on <i>Macrogyrodactylus congolensis</i> and their behavioural responses in various aquatic media	Ms Lutfiyya Latief, University of Johannesburg
[10] Tick distribution and comparative analysis of bovine blood microbiome in two provinces of South Africa using 16S rRNA PacBio sequencing approach	Dr Zamantungwa Mnisi, University of Limpopo
[13] Endohelminth parasites of ornamental Cichlidae imported into South Africa	Mr Prince S. Molokomme, University of Limpopo
[17] Dipteran female flies as an ultimate mechanical vector for blood pathogens of animal diseases	Dr Serero A. Modise, South African Biodiversity Institute
[18] Experimental evaluation of host-parasites interactions in the system <i>Glossolepis incisa</i> Weber, 1907 and ecto- and endoparasites	Dr Iva Přikrylová, University of Limpopo
[20] A novel rickettsial agent identified in patients with acute febrile illness is also present in ticks	Dr Nicola E. Collins, University of Pretoria
[26] Not even named and already near-threatened: The case of a new <i>Gyrodactylus</i> monogenean on the Clanwilliam sawfin, <i>Cheilobarbus serra</i> , in the Cape Fold Ecoregion, South Africa	Dr Iva Přikrylová, University of Limpopo
[28] Ticks, demographics, vegetation cover, and farmer's age influence red meat production in resource-poor regions of the Eastern Cape Province, South Africa	Mr Sindisile Goni, Dohne Agricultural Development Institute
[29] Ectoparasites of three commensal invasive rodents: A global systematic review of rat-associated zoonoses	Ms Mabatho M. Nkoko, Tshwane University of Technology
[32] Molecular detection of <i>Porcine babesiosis</i> in smallholder pigs in Gauteng Province	Mr Lunani A.A. Mbanjwa, University of Pretoria
[40] Diversity and host specificity of avian haemosporidians at an Afrotropical conservation region	Prof. Tshifhiwa Nangammbi, Tshwane University of Technology
[43] Investigating the presence of bilharzia snail vectors in Vaal Dam and Crocodile River (West) catchment Dam	Mr Dylan Knox, North-West University Potchefstroom



Tuesday 09 October 2024 – Poster Session 2: 12h00-13h00

Description	Speaker
[49] Monopisthocotylean parasites of cichlid and clariid hosts in the Upper Congo Basin: examining diversity	Mr Gyrhais K. Kasembele, Université de Lubumbashi
[51] Diversity and distribution of ectoparasites species associated with rats (<i>Rattus rattus</i> and <i>Rattus tanezumi</i>) in rural communities in the Savanna biome, South Africa	Dr Dina M. Fagir, University of Pretoria
[56] Characterisation of pathogen diversity in <i>Tabanus par</i> using high-throughput sequencing	Ms Tersia Emsley, North-West University
[57] Redescription and first molecular characterisation of the monopisthocotylean <i>Dactylogyrus spinicirrus</i> (Dactylogyridea: Dactylogyridae) from the largescale yellowfish <i>Labeobarbus marequensis</i> (Cypriniformes: Cyprinidae) in the Letaba River, South Africa	Ms Tshenolo Masilo, North-West University
[59] <i>Gnathia jimmybuffetti</i> : 'Changes in Latitudes, Changes in Attitudes'	Dr Anja Erasmus, North-West University
[62] Current status of the invasive cattle tick, <i>Rhipicephalus microplus</i> (Acari: Ixodidae) and its pathogens in Africa	Prof. Nkululeko Nyangiwe, University of South Africa
[65] A century and not out: redescription of the temporary fish parasite, <i>Gnathia spongicola</i> (Isopoda: Gnathiidae) based on its type material collected in 1902	Ms Hesmarié Botha, North-West University
[66] Morphological analysis of male gnathiid mandibles in the genus <i>Gnathia</i> : enhancing taxonomic identification	Ms Michon du Plessis, North-West University
[67] Potential spatial distribution of ticks of medical and veterinary importance in South Africa	Ms Rethabile Motloung SANBI
[68] Discovering <i>Gnathia pipinde</i> : A new temporary ectoparasite of the pufferfish <i>Amblyrhynchote honckenii</i> from South Africa	Prof. Kerry A. Hadfield, Water Research Group, North-West University
[70] Unpuzzling marine mysteries: unlocking taxonomic riddles in opistholebetine trematodes of South Africa	Ms Linda van der Spuy, North-West University
[71] The antiprotozoal and ADMET properties of 2-(4-(5-cyano-2-(methylthio)-6-oxo-1,6-dihydropyrimidin-4-yl)phenoxy)-N-phenylacetamide derivatives	Prof. Robyn van Zyl, WITS University