

# The Centre for Invasion Biology (C-I-B)

- Annual Research Meeting 2022 -

A hybrid event held in both the Broom lecture theatre & online via [www.ciblive.co.za](http://www.ciblive.co.za)

## Programme

from 8:00	Log-in, or welcome to the venue!	Please join the meeting with your microphone muted.
	Click on the link to join the meeting room to be ready when the session starts at 8:20	Use the <b>purple</b> support button on the bottom-right of your screen to get our support if needed.
08:30	<b>Ground rules and resources</b>	Core team member Dr Sabrina Kumschick with Prof. Guy Midgley, Acting Director C-I-B, School for Climate Studies
08:40	Opening remarks	Prof. Sibusiso Moyo, Vice-Rector Research Development & Innovation, SU
08:45	The Case for a C-I-B and its Long-Term Research	Prof. Steven L. Chown, Monash University Melbourne & founding Director of the C-I-B
09:10	Acknowledgement; and introduction	Guy Midgley
09:15	My CIB personal and research trajectory - how invaded ecosystems recover.	Dr Sheunesu Ruwanza
09:45	Questions and audience discussion	
09:55	<b>Tea time</b>	
10:20	POD 1: Invasion ecology & dynamics	Introduced & chaired by Dr Luke Potgieter
	Melaleuca (Myrtaceae): biogeography of an important tree genus in a changing world.	Michèle ter Huurne, Masters candidate
	An analysis of morphological and physiological variability of <i>Opuntia engelmannii</i> Salm-Dyck (Cactaceae: Opuntioideae) populations in four South African provinces: Are environmental factors facilitators of growth and distribution?	Sipho Mbonani, PhD candidate
	The effects of microclimates on different life stages of an invasive ladybird <i>Harmonia axyridis</i>	Gaylen Carelse, Masters candidate
	Locomotor performance in <i>Xenopus laevis</i>	Laurie Araspin, PhD candidate
11:05	POD 2: Impacts of biological invasions	Introduced & chaired by Dr Laura Fernandez Winzer
	Impact of invasive fish on ghost frog tadpoles.	Dan Van Blerk, Masters candidate
	Kelp forests as understudied systems in marine invasion biology	Clara Steyn, PhD candidate
	The impact of invasive plants on South African Soils: Australian Acacia species as a case Study	Mokgatla Rapetsoa, pre-PhD

	The influence of invasive alien trees on species richness and abundance of small and large mammals in the Cape Floristic Region, South Africa.	Tashreeqah Sadan, Masters candidate
	The status of Alien fleshy-fruited Myrtaceae species in South Africa: Distribution, invasion status, impacts and recommendations for management	Tumeka Mboobo, PhD candidate
11:50	<b>Brief recess</b>	
12:05	Second plenary - Impacts of climate change on species and implications for conservation	Camille Parmesan, Director, Theoretical and Experimental Ecology (SETE), France
12:35	questions and audience discussion	
12:45	<b>Break for lunch</b>	
14:00	Welcome back	Sabrina Kumschick
14:15	POD 3: Policy and management	Introduced & chaired by Dr Julia van Velden
	Developing a Protocol for Declaring Alien Species Absent from a country: South Africa as a case study.	Chelsey Matthys, Masters candidate
	Predicting the time it takes and the best-localised weather conditions for capture and removal of the invasive <i>S. gutturalis</i> using time-to-event analysis.	Jonathan Bell, Masters candidate
	The use of fire and herbicide (Impala 480 EC) in an attempt to manage <i>Campuloclinium macrocephalum</i> (Less.) DC. (Asteraceae): A case study of Rietvlei Nature Reserve, City of Tshwane Metropolitan Municipality, South Africa.	Phuluso Mudau, PhD candidate
	Is remote sensing a viable tool in the detection and mapping of prevalent IAPs for management applications?	Alekzandra Szewczuk, PhD candidate
14:50	<b>Brief recess</b>	
15:00	POD 4: Post-invasion Restoration: problems and perspectives	Introduced & chaired by Dr Emily McCulloch-Jones
	Analysis of stable isotope ratios of historical & recent samples of invasive & indigenous rodents: Implications for urbanization in Gauteng Province, South Africa.	Armand Engelbrecht, Masters candidate
	Delaying a prescribed burn to scale up restoration of alien-invaded Lowland Sand Fynbos	Duduzile Ngwenya, PhD candidate
	Collembola as indicators of restoration progress following active and passive restoration	Marizanne Visagie, Masters candidate
	More than a Decade of Community Involvement in Ecosystem Restoration – restoration for socio-ecological resilience	Bheka Nxele, PhD candidate
15:45	Biological Invasions and climate change- the Future of the C-I-B	Guy Midgley
	Student presentation awards and closing remarks	
16:30	<b>Thank you for participating in the C-I-B's Annual Research Meeting for 2022</b>	