



PROF. PETER TESKE

Centre for Ecological Genomics and Wildlife Conservation
Department of Zoology
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ACADEMIC CAREER

1997	BSc (cum laude) Nelson Mandela University, South Africa
1998	BSc honours (cum laude) Nelson Mandela University, South Africa
2000	MSc (cum laude) Nelson Mandela University, South Africa
2003	PhD Stellenbosch University, South Africa
2004-2011	Postdoctoral researcher Rhodes University, South Africa Macquarie University Sydney, Australia
2012	Senior researcher Flinders University of South Australia
2013	Senior lecturer University of Johannesburg, South Africa
2014	Associate professor University of Johannesburg, South Africa
2020	Full professor University of Johannesburg, South Africa

NRF rating: B

(internationally acclaimed scientist)

H-INDEX

SCOPUS: 27, GOOGLE SCHOLAR: 32

ORCID

<https://orcid.org/0000-0002-2838-7804>



https://www.researchgate.net/profile/Peter_Teske

LANGUAGES

German (native), English (fluent),
Afrikaans, French and Portuguese (very
basic)

STUDENT SUPERVISION

(year of completion in brackets; please see LIST OF PUBLICATIONS for outputs by postgraduate students)

BSc honours	Eduard Drost (2014), Jody Oliver (2015), Candice Jooste (2016), Leishe Pieterse (2016), Simphiwe Radebe (2020), Conny Serite (2020), Carol Amukelani Chauke (2021), Keith Mabasa (2021), Neville Malatji (2022), Oliver Kieser (ongoing), Tseko Maneli (ongoing)
MSc	Yolanda Qhaji (2015), Heather Webster (2016), Noxolo Ntuli (2018), Daniela Monsanto (2019), Jody-Carynn Oliver (2019), Benedicta Ngwakum (2019), Candice Jooste (2019), Nkitseng Oageng Modise (2020), Ofentse Ntshudisane (2021), Erin Crowhurst (2022), Sven-Erick Weiss (2022), Conny Serite (2023), Tshegofatso Fakude (2023), Vidosava Jakovljevic (ongoing), Sibusiso Mahlangu (ongoing), Claudia Schnelle (ongoing), Keith Mabasa (ongoing)
PhD	Thomas Mkare (2017), Tirupathi Rao Golla (2018), Juliana Klein (2019), Heather Webster (2021), Benedicta Ngwakum (ongoing), Daniela Monsanto (ongoing), Shilpa Pharbu (ongoing), Mark Lisher (ongoing), Jody-Carynn Oliver (ongoing), Sven-Erick Weiss (ongoing), Conny Serite (ongoing), Matthew Adair (ongoing), Mannda Ndou (ongoing), Janine Baxter (ongoing)
Postdoc	Mbaye Tine (2016-2017), Tirupathi Rao Golla (2021-2022), Arsalan Emami-Khoyi (2018-ongoing)

TEACHING

BSc 3rd year course: Physiology: Advanced integration, Department of Zoology University of Johannesburg

BSc honours (Zoology and Physiology modules): Scientific Writing, University of Johannesburg

BSc honours (Zoology module): Population genetics and biosystematics, University of Johannesburg

EXTERNAL FUNDING

- Please see for a complete list that includes competitive internal grants (up to R 400 000) and smaller external grants (up to R 40 000). Grants from R 500 000 are considered high by South African standards.

Project details	Collaborators
CPRR-NRF (grant no. 141960) 2023-2025 Maribibi-SA: DNA Barcoding Networks and Biodiversity of South Africa's Marine Benthic Invertebrate fauna. R 2283969.	Toufiek Samaai and Sven Kerwath (DFFE), Jyothi Kara (Iziko Museums), Denzil Beukes (UWC), Angus Macdonald (UKZN)
DFG 2022-2025 Hydrologische und geologische Treiber der Konnektivitat und Entstehung moderner subtritatidaler Mikrobialite. 56382€ (portion assigned to UJ).	Gudrun Massmann and Silke Laakmann (Carl von Ossietzky University Oldenburg, Germany), Gavin Rishworth (NMU)
National Environmental Research Council (UK) 2022-2023. Extant Peritidal Stromatolite Network (EPStromNet). £36985	Graham Underwood and Terry McGenity (University of Exeter), Andrew Cooper (University of Ulster), Matt Forbes (Australian Research Council) et al.
South African National Antarctic Programme: Ecogenomics. NRF 2022-2024, R 4132500.	Bettine van Vuuren (UJ), David Hedding (UNISA), Charlene Janion-Scheepers (UCT) et al.
NRF-ACEP 2022-2025 African Coelacanth Ecosystem Programme: Deep Connections. R1750000.	Stefano Mariani (Liverpool John Moores University, UK), Kerry Sink and Jody-Carynn Oliver (SANBI), Bruce Mann (ORI) et al.
Foundational Biodiversity Information Programme NRF (2019-2021), R183000, "DNA barcoding of estuarine invertebrates in eastern South Africa"	Gavin Rishworth, Carole Simon (Stellenbosch University), Fiona Mackey (ORI) et al.

South Africa-Mozambique-Zambia Trilateral Fundo Nacional de Investigação, NRF, NSTC (2019-2021) Barcoding the aquatic biodiversity of south-eastern Africa.	Isabel da Silva (Universidade Lúrio, Moçambique), Cyprian Katongo (University of Zambia), Sophie von der Heyden (Stellenbosch University), Luisa Simbine (Instituto Nacional de Investigação Pesqueira, Maputo, Moçambique)
NRF Thuthuka Grant (2019-2020) Population bottlenecks in batoid species caught in the KwaZulu-Natal shark nets. R 620000.	Kolobe Mmonwa (KZN Sharks Board)
Mohamed bin Zayed Foundation (2018-2020) A multidisciplinary research initiative to save the critically endangered estuarine pipefish, <i>Syngnathus watermeyer</i>, from imminent extinction. US\$10704.	Paul Cowley and Nikki James (NRF-SAIAB), Nuno Monteiro (Universidade do Porto), Louw Claassens (Knysna Basin Programme)
NRF CSRR (2016-2018) Hybridisation of marine biota on a changing planet. R639445.	Marc Rius (University of Southampton), Christopher McQuaid (Rhodes University)
NRF Thuthuka Grants (2016-2017) A genetic investigation of female philopatry in the ragged-tooth shark, <i>Carcharias taurus</i>. R 200000.	Kolobe Mmonwa and Matt Dicken (KZN Sharks Board), Aletta Bester-van der Merwe (Stellenbosch University)
NRF Blue Skies Programme (2015) Trees in the sea: the evolution of mangrove forests. R197500	Stefano Canicci and Sara Fratini (University of Florence), Christopher McQuaid (Rhodes University)
Oppenheimer Memorial Trust (2016-2017) Trees in the Sea: the Evolution of the Mangrove Forest Ecosystem. R700000.	Stefano Cannicci and Sara Fratini (University of Florence), Christopher McQuaid (Rhodes University)
NRF ACEP IV (2015-2018) Pathways of larval dispersal: the roles of alongshore and cross shore transport. R 1256300.	Francesca Porri (NRF-SAIAB), Christopher McQuaid (Rhodes University)

Rufford Foundation Small Grants (2015) A second look at the conservation genetics of the endangered Knysna seahorse. £5196.	Thomas Mkare (Kenya Marine Fisheries Institute)
PADI Foundation Grant (2015) Highway or bypass: the role of the Agulhas Current in facilitating coastal connectivity. US\$ 5000.	Marc Rius (University of Southampton), Gerardo Zardi and Katy Nicastro (CCMAR, Universidade do Algarve)
NRF CSUR (2014-2016) A genomic appraisal of the stock structure of South African sardines. R859800.	Luciano Beheregaray (Flinders University, Australia), Carl van der Lingen (DFFE), Tiru Golla (Rutgers University, USA)

LEADERSHIP AND COMMUNITY INVOLVEMENT

COMMITTEE/PANEL/EDITORIAL BOARD MEMBERSHIPS

- Adjudicator: L'Oréal-UNESCO for Women in Science, Sub-Saharan Africa (2017)
- UJ Faculty of Science Ethics Committee (2018-2021)
- UJ Faculty of Science Plagiarism Committee (2019-ongoing)
- Adjudicator (2015-2021): BSc honours presentations, UJ Botany Dept.
- Editorial board: BMC Genomics, Frontiers in Marine Science

COMMUNITY OUTREACH

- ACCESS Habitable Planet Mini-HPW science outreach (grade 9 school training)

INVITED SPEAKER

- 2016 International fisheries stock assessment workshop, Cape Town
- Plenary speaker, University of Pretoria Department of Genetics, Annual Research Symposium 2016
- UJ Faculty of Science (presented "Advice for your Teaching Portfolio" to staff in the Faculty of Science), 2017

- SOWETO Science Week 2018 (presented “The Age of Biology” to ~500 school children)
- Conference for High Performance Computing, Cape Town, 2018
- Roundtable: past and present anthropogenic impacts on the coastal environment, Faro, Portugal, 2018
- Launch of Nature masterclasses for scientific writing and publishing, UJ 2019
- UJ postgraduate supervision winter school (workshop): “How to get your students to publish their thesis”
- Training workshop at Universidade Lúrio, Pemba, Mozambique: “DNA barcoding of the Western Indian Ocean – towards a reference database for estuarine species”.
- University of Oslo, Norway, 2019: “Marine genomics in southern Africa”.
- UJ Postgraduate Open Day 2020: “Strategies for managing your scientific writing: proposals, theses and publications.” Youtube: <https://www.youtube.com/watch?v=PpggmAifpsc>
- UJ Academic Integrity Days (May 13-14, 2020). Zoom webinar: “Academic misconduct: how to ruin your own career in 12 easy steps.”
- International Molecular Biology and Genetic Congress (Istanbul Technical University, October 2-4, 2020): “South African marine genomics: research across the Atlantic-Indian Ocean boundary”.
- Small pelagics workshop (meeting between scientists, politicians and industry to discuss stock structure in sardine), Cape Town.
- UJ Public Lecture (October 1, 2021): “Genomics is making waves in marine biology”.

RECENT CONFERENCE AND WORKSHOP ATTENDANCE

(excludes local conferences attended by supervised students)

2015: Gordon Research Conference in Ecological and Evolutionary Genetics, Biddeford, USA.

2016: Next-generation sequencing analysis in R (Nottingham Trent University, UK).

2016: University of Pretoria Genetics Department Symposium: plenary speaker.

2016: ConGenomics 2016, Vairão, Portugal.

2017: International Barcoding of Life Conference (iBOL2017), Skukuza, South Africa.

2017: Southern African Shark & Ray Symposium, Hermanus, South Africa.

2017: RAD-seq data analysis course (Berlin, Germany).

2017: 10th WIOMSA Scientific Symposium (Dar-es-Salaam, Tanzania).

2018: Conference on High Performance Computing, Cape Town, South Africa (invited speaker)

2018: Roundtable: "Past and present anthropogenic impacts on the coastal environment". Faro, Portugal (invited speaker).

2019: FNI-NRF-NSTC Inception Meeting, Costa do Sol, Mozambique.

2019: Experimental Evolution workshop (VetmedUni, Vienna).

2020: International Molecular Biology and Genetic Student Congress, Istanbul Technical University, Turkey (invited speaker).

2022: SAMSS 2022 workshop, Durban: Next-generation sequencing applications in marine biology (organiser)

2022: European Evolution Society Symposium, Prague, Czech Republic.

2022: Guest lecture at CSIC-CEAB in Blanes, Spain: "Strengthening the Spain – southern Africa connection in marine biological research".

2023: Small Pelagic Scientific Working Group (SWG-PEL), DFFE, Cape Town (invited speaker).

DISSERTATION/THESIS/COURSE EXAMINATION

- Tinashe Muteveri, Stellenbosch University, PhD thesis (2014)
- Belinda Swart, Stellenbosch University, PhD thesis (2014)
- Phanor Montoya-Maya, University of KwaZulu-Natal, PhD thesis (2015)
- Susanna Zeeman, University of Cape Town, PhD thesis (2016)
- Lindile Cele, University of KwaZulu-Natal, MSc dissertation (2017)
- Livhuwani Maluma, Zoology honours project, University of Venda (2017)
- Carla Lourenco, Rhodes University, PhD thesis (2017)
- Vanita Malekar Charles, Lincoln University, New Zealand, PhD thesis (2017)
- Nikki Phair, Stellenbosch University, PhD thesis (2018)
- DK Bharti, Indian Institute of Science, Bangalore, India, PhD thesis (2018)

- Christine Onyango, University of KwaZulu-Natal, PhD thesis (2020)
- Cassandra Barker, Rhodes University, MSc thesis (2021)
- Erica Nielsen, Stellenbosch University, PhD thesis (2021)
- Floriaan Devloo-Delva, University of Tasmania, Australia, PhD thesis (2021)
- Dalene Oosthuizen, Stellenbosch University, MSc thesis (2021)
- Mannda Ndou, UniVenda, MSc thesis (2022)
- Nokuthula Mbanyana-Nhleko, Stellenbosch University, PhD thesis (2022)
- Nonkazimulo Mdidimba, Rhodes University, MSc thesis (2023)
- Yi-Ting Ho, University of Cape Town, MSc dissertation (2023)

2016-2018: External examiner for B.Sc. honours research projects, Department of Genetics, Stellenbosch University

2021-2023: External examiner, GENE701 mini project in genetics, University of KwaZulu-Natal

2021-2023: External examiner, 3rd year genetics course, University of Venda

2021-2022: Guest lecturer, 3rd year genetics course, Nelson Mandela University

KEY COLLABORATORS

- Dr Thomas Kalama Mkare, Centre for Aquatic Genomics, Forensics and Bioinformatics, KMFRI, Mombasa, Kenya
- Dr Luisa Simbine, Instituto Nacional de Investigação Pesqueira, Av. Mao Tse Tung N° 389, Maputo-Moçambique
- Prof. Isabel Marques da Silva and Dr Graça Mandava Jaime, Universidade Lúrio, Pemba-Moçambique
- Prof. Cyprian Katongo, University of Zambia, Zambia
- Dr Anantha Sreepada Rayadurga, Biological Oceanography Division, CSIR-National Institute of Oceanography, Dona Paula, Goa, India
- Prof. Nuno Monteiro, Centre for Biodiversity and Genetic Resources (CIBIO/InBIO), Vairão, Portugal
- Prof. Sophie von der Heyden, Department of Botany and Zoology, Stellenbosch University, South Africa

- Dr Romina Henriques, Department of Biochemistry, Genetics and Microbiology, University of Pretoria, South Africa
- Dr Marc Rius, Director of CSIC-CEAB, Blanes, Spain
- Prof. Luciano Beheregaray and Dr Jo, Molecular Ecology Lab, Flinders University, Adelaide, Australia
- Dr Kolobe Mmonwa, WWF-SA, South Africa.
- Prof. Carl van der Lingen, Branch: Fisheries Management, Department of Forestry, Fisheries and the Environment, Vlaeberg, South Africa
- Dr Toufiek Samaai, DFFE, Cape Town
- Dr Jyothi Kara, Iziko Museums, South Africa
- Prof. George Branch, Department of Biological Sciences, University of Cape Town
- Prof. Christopher McQuaid, Department of Zoology and Entomology, Rhodes University, Grahamstown, South Africa

MEDIA RELEASES, VIDEOS AND POPULAR ARTICLES

2009

Seahorses “stood up” 25 million years ago. Jennifer Viegas, Discovery Channel News.

<http://dsc.discovery.com/news/2009/05/06/seahorses-stand-up.html>

How seahorses evolved to swim “standing up”. Matt Kaplan, National Geographic News.

<http://news.nationalgeographic.com/news/2009/05/090522-seahorses-stand-up.html>

Plattentektonik verhalf Seepferdchen zur aufrechten Haltung. Mutation durch Entstehung von

Flachmeeren begünstigt. <http://www.g-o.de/wissen-aktuell-10014-2009-06-08.html>

Pourquoi les hippocampes nagent-ils à la verticale? Caroline Lepage, MerSeaPlanète. <http://www.mer-littoral.org/actualites/actualites-hippocampes.php>

Teske PR, Beheregaray LB (2009) The Rise of Seahorses. **Australasian Science**, Nov/Dec issue.

www.australasianscience.com.au/bi2009/310seahorses.pdf

2010

Molecular view reassesses species. Virginia Gewin, *Frontiers in Ecology and the Environment*, vol. 9, issue 7, page 368 (September 2010)

Newshub New Zealand: "Aussie invader wreaking havoc in far north": TV clip on *Pyura doppelganger*'s invasion of New Zealand: <http://www.newshub.co.nz/environmentsci/aussie-invader-wreaking-havoc-in-far-north-2010081213#axzz3SrqqmHyK>

2011

Scientific American: How the seahorse got its curves: <https://www.scientificamerican.com/article/how-the-sea-horse-got-curves/>

"Sea Squirt Celebrity", British Columbia Government, 3 Aug 2011, reprinted with permission from the BC public service

2015

Oceanbits: Small currents can make a big difference in population connectivity:

<http://oceanbites.org/small-ocean-currents-can-make-a-big-difference-in-population-connectivity/>

SA fish evolution faster than expected, says UJ researchers:

<https://www.uj.ac.za/newandevents/Pages/SA-fish-evolution.aspx>

2016

UJ: Ocean current study published in *Nature* journal highlights fisheries and marine park issues (2016):

<https://www.uj.ac.za/newandevents/Pages/Ocean-current-study-published-in-Nature-journal-highlights-fisheries-and-marine-park-issues.aspx> (2016)

Flinders: New study maps currents and marine animal movement (2016):

<https://news.flinders.edu.au/blog/2016/10/13/new-study-maps-currents-and-marine-animal-movement/>

InDaily: Tide turns on design of marine parks (2016): <https://indaily.com.au/news/science-and-tech/2016/10/12/tide-turns-on-design-of-marine-parks/>

The Lead: Ocean super highways in the slow lane (2016):

<http://www.theleadsouthaustralia.com.au/industries/research-development/ocean-super-highways-in-the-slow-lane/>

2018

ScienceDaily: Fishing quotas upended by nuclear DNA analysis:

<https://www.sciencedaily.com/releases/2018/08/180814101424.htm>

Indo-European.edu: Mitochondrial DNA unsuitable to test for IBD, and undersampling genomes show biased time and rate estimates: <https://indo-european.eu/2018/06/mitochondrial-dna-unsuitable-to-test-for-ibd-and-undersampling-genomes-show-biased-time-and-rate-estimates/>

YouTube: Mitochondrial DNA is unsuitable to test for isolation by distance:

<https://www.youtube.com/watch?v=DH9fCjAAyHc&t=42s>

2019

First proof that water temperatures drive evolution of new species: <https://www.iflscience.com/plants-and-animals/first-proof-that-water-temperatures-drive-evolution-of-new-species/>

Water temperature found to drive fish evolution: <https://cosmosmagazine.com/biology/water-temperature-found-to-drive-fish-evolution-1>

Differences in water temperature can create new marine species: <https://phys.org/news/2019-02-differences-temperature-marine-species.html>

Differences in water temperature can create new marine species. Warm and cool water temperatures over a long stretch of coastline cause new species of marine fish to evolve:

<https://www.sciencedaily.com/releases/2019/02/190205204052.htm>

Differences in coastal water temperatures can create new species: <https://www.earth.com/news/coastal-water-temperatures-new-species/>

Differences in water temperature can create new species:
<http://www.scoop.co.nz/stories/SC1902/S00015/differences-in-water-temperature-can-create-new-species.htm>

New genetic research at UJ shows return migration of female ragged-tooth sharks in South Africa
<https://www.uj.ac.za/newandevents/Pages/New-genetic-research-at-UJ-shows-return-migration-of-female-ragged-tooth-sharks-in-SA-.aspx>

Radio interview (UJFM) on female raggedtooth sharks' return migrations (26 February 2019)
<https://twitter.com/ujfm/status/1100353591380979712>

2020

UJ Postgraduate Open Day, invited speaker: "Strategies for managing your scientific writing: proposals, theses and publications: youtube video (37 min): <https://www.youtube.com/watch?v=PpggmAifpsc>
twitter.com/ujlibscience/status/1232256978497523712

Academic Integrity Days 2020, invited Zoom webinar speaker: "Academic misconduct: how to ruin your own career in 12 easy steps".

Deutsche Welle News: "Sydney's endangered seahorses find refuge in underwater hotels".
<https://www.dw.com/en/endangered-species-whites-seahorse-ocean-protection-biodiversity-australia/a-54154808>

2021

The Conversation (Peter Teske et al.): "South Africa's massive 'sardine run' leads fish into an ecological trap." <https://theconversation.com/south-africas-massive-sardine-run-leads-fish-into-an-ecological-trap-168413> 37 655 and 474 reads (English and French versions, respectively)

Scientific American (Nikk Ogasa): "Mystery of doomed sardine migration if finally solved".
<https://www.scientificamerican.com/article/mystery-of-doomed-sardine-migration-is-finally-solved/>

The Scientist (Alex Billow): "Famous South African sardine run doesn't benefit sardines: study".
<https://www.the-scientist.com/news-opinion/famous-south-african-sardine-run-doesn-t-benefit-sardines-study-69327>

Science Podcasts AAAS (Sarah Crespi): "Science: potty-trained cows, massive sardines run off South Africa". <https://podcasts.apple.com/bn/podcast/potty-training-cows-and-sardines-swimming-into/id120329020?i=1000535567274>

Radio interviews on the KwaZulu-Natal sardine run on SAfm (<https://omny.fm/shows/safm-sunrise-1/south-africa-s-massive-sardine-run-leads-fish-into>), CapeTalk (<https://www.capetalk.co.za>), Talk Radio 702 (<https://www.702.co.za/>) and the South African Agency for Science and Technology Advancement (SAASTA; <https://www.saasta.ac.za>)

IFL Science: "One of the world's largest marine migrations makes no evolutionary sense".
<https://www.iflscience.com/plants-and-animals/one-of-the-worlds-largest-marine-migrations-makes-no-evolutionary-sense/>

MSN: "The greatest shoal on Earth: Scientists discover why sardines run". <https://www.msn.com/en-za/news/other/the-greatest-shoal-on-earth-scientists-discover-why-sardines-run/ar-AAOrB0k?li=BBqfWMJ&srcref=rss>

AZO Life Sciences: "Genomics data helps explain the world's biggest migration of sardines."
<https://www.azolifesciences.com/news/20210916/Genomics-data-helps-explain-the-worlds-biggest-migration-of-sardines.aspx>

Times Live: "Mystery of why annual 'sardine run' happens revealed".
<https://www.timeslive.co.za/news/south-africa/2021-09-15-mystery-of-why-annual-sardine-run-happens-revealed/>

ScienceDaily: "World-famous sardine migration explained by genomics; scientists discover how one of the world's biggest migration events functions".
<https://www.sciencedaily.com/releases/2021/09/210915161346.htm>

The Science Times: "Biggest marine migration of sardines found pointless with no impact to evolution while most of them die in the process". <https://www.sciencetimes.com/articles/33495/20210917/biggest-marine-migration-sardines-found-pointless-impact-evolution-die-process.htm>

(Please find additional news releases and twitter mentions about the sardine run at: <https://scienceadvances.altmetric.com/details/113503185>)

PUBLICATIONS

PEER REVIEWED SCIENTIFIC JOURNAL ARTICLES

(supervised postgraduate students are underlined)

1. Serite CP, Emami-Khoyi A, Ntshudisane OK, James NC, Jansen van Vuuren B, Bodill T, Cowley PD, Whitfield AK, **Teske PR** (in press) eDNA metabarcoding vs. metagenomics: an assessment of dietary competition in two estuarine pipefishes. **Frontiers in Marine Science**. Special edition: Syngnathid fishes: biology, ecology, physiology and innovative rearing techniques.
2. De Coito PM, Emami-Khoyi A, Hedderson T, Knapp IS, Toonen RJ, **Teske PR**, Branch GM (in press) A critically endangered estuarine limpet's only two populations are genomically and morphologically distinct. **Aquatic Conservation: Marine and Freshwater Ecosystems**.
3. Emami-Khoyi A, Jooste CD, Wasserman RJ, Dalu T, Raath-Krüger MJ, Jansen van Vuuren B, **Teske PR** (in press) Persistent effects of historical sea levels on the population structure of a temporary wetland copepod. **Freshwater Biology**.
4. Dalongeville A, Nielsen ES, Teske PR, von der Heyden S (2022) Comparative phylogeography in a marine biodiversity hotspot provides novel insights into evolutionary processes across the Atlantic - Indian Ocean transition. **Diversity and Distributions** 8:2622–2636.
5. Weiss S-E, Emami-Khoyi A, Kaiser H, Cowley PD, James N, van Vuuren BJ, Whitfield AK, **Teske PR** (2022) The last two remaining populations of the critically endangered estuarine pipefish are inbred and not genetically distinct. **Frontiers in Marine Science** 8:756595. doi: 10.3389/fmars.2021.756595
6. **Teske PR**, Emami-Khoyi A, Golla TR, Sandoval-Castillo J, Lamont T, Chiazari B, McQuaid CD, Beheregaray LB, van der Lingen CD (2021) The sardine run in southeastern Africa is a mass migration into an ecological trap. **Science Advances** 7: eabf4514. **Impact factor: 14.1; Altmetric score: 210 (top 5% of all research articles)**.
7. **Teske PR** (2021) Perspectives: Mitochondrial genome announcements need to consider existing short sequences from closely related species to prevent taxonomic errors. **Conservation Genetics Resources**. 13: 359–365.
8. Emami-Khoyi A, Agnew T, Adair M, Murphy E, Benmazouz I, Monsanto DM, Parbhu S, Main D, Le Roux R, Golla TR, Schnelle C, Alizadeh H, Csanyi S, Heltai M, van Vuuren BJ, **Teske PR**, Paterson A, Ross J (2021) A

new non-invasive method for collecting DNA from small mammals in the field, and its application in simultaneous vector and disease monitoring in brushtail possums. **Frontiers in Environmental Science** 7: 701033.

9. Mmonwa KL, Barker NP, McQuaid CD, **Teske PR** (2021) Coastal dunefields maintain pre-Holocene genetic structure in a rocky shore red alga. **Journal of Phycology** 57: 1542–1553.
10. Ngwakum BB, Payne RP, **Teske PR**, Janson L, Kerwath S, Samaai T (2021) Hundreds of new DNA barcodes for South African sponges. **Systematics and Biodiversity**.
11. Tine M, Kuhl H, **Teske PR**, Reinhardt R (2021) Genome-wide analysis of European sea bass provides insights into the evolution and functions of single-exon genes. **Ecology and Evolution** 11: 6546–6557.
12. Serite CP, Ntshudisane O, Swart E, Simbine L, Jaime GLM, **Teske PR** (2021) Limitations of DNA barcoding in determining the origin of smuggled seahorses and pipefishes. **Forensic Science International: Animals and Environments** 1: 100006.
13. Hudson J, Castilla JC, **Teske PR**, Beheregaray LB, Haigh ID, McQuaid CD, Rius M (2021) Genomics-informed models reveal extensive stretches of coastline under threat by an ecologically dominant invasive species. **Proceedings of the National Academy of Sciences of the USA** 118: e2022169118. **Impact factor: 11.2**
14. Dinoi A, Rius M, Tine M, **Teske PR** (2021) Development of genetic tools for the redbait species *Pyura herdmani* and *P. stolonifera*, important bioengineers along African coastlines. **African Journal of Marine Science** 43: 251–257.
15. Emami-Khoyi A, Knapp I, Monsanto DM, Jansen van Vuuren B, Toonen RJ, **Teske PR** (2021) Genomic divergence and differential gene expression between crustacean ecotypes across a marine thermal gradient. **Marine Genomics** 58: 100847.
16. Emami-Khoyi A, Le Roux R, Adair MG, Monsanto DM, Main DC, Parbhu SP, Schnelle C, van der Lingen C, Jansen van Vuuren B, **Teske PR** (2021) Transcriptomic diversity in the livers of South African sardine participating in the annual Sardine Run. **Genes** 12: 368.
17. Mkare TK, van Vuuren BJ, **Teske PR** (2021) Conservation priorities in an endangered estuarine seahorse are informed by demographic history. **Scientific Reports** 11:4205.
18. Tladi M, Emami-Khoyi A, Dau T, **Teske PR**, van Vuuren BJ, Rogers C, Nyamukondiwa C, Wasserman RJ (2021) The complete mitogenome of *Leptesheria brevirostris* Barnard, 1924, a rockpool clam shrimp (Branchiopoda: Spinicaudata) from Central District, Botswana. **Mitochondrial DNA B** 6:608–610.

19. Webster H, Emami-Khoyi A, van Dyk JC, **Teske PR**, van Vuuren BJ (2020) Environmental DNA metabarcoding as a means of estimating species diversity in an urban aquatic ecosystem. **Animals** 10: 2064.
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