



# PROF. PETER TESKE

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Department of Zoology  
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## ACADEMIC CAREER

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

NRF rating: B

(internationally acclaimed researcher)

H-INDEX

SCOPUS: 29, GOOGLE SCHOLAR: 34

ORCID

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

 ResearchGate

[https://www.researchgate.net/profile/Peter\\_Teske](https://www.researchgate.net/profile/Peter_Teske)

# 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 (2023), Tseko Maneli (2023), Wandipah Masina (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), Claudia Schnelle (2023), Sibusiso Mahlangu (2024), Keith Mabasa (ongoing), Vidosava Jakovljevic (ongoing)
- PhD**                Thomas Mkare (2017), Tirupathi Rao Golla (2018), Juliana Klein (2019), Heather Webster (2021), Daniela Monsanto (2023), Benedicta Ngwakum (ongoing), Jody-Carynn Oliver (ongoing), Sven-Erick Weiss (ongoing), Conny Serite (ongoing), Matthew Adair (ongoing), Mannda Ndou (ongoing), Janine Baxter (ongoing), Claudia Fourie (ongoing)
- Postdoc**            Mbaye Tine (2016-2017), Tirupathi Rao Golla (2021-2022), Arsalan Emami-Khoyi (2018-2023), Cate Modiba (ongoing), Samantha Ockhuis (ongoing)

# TEACHING

BSc 3<sup>rd</sup> 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

Project details	Collaborators
<p><b>Programa CSIC de cooperación científica i-COOP para el desarrollo (COOPB24022).</b> Spain (2025-2026)</p>	<p>Marc Rius and Elena Baños (CSIC-CEAB, Spain), Isabel Marques da Silva (Universidade Lúrio, Mozambique) et al.</p>
<p><b>SIOMPA (2025-2028): COEXISTENCE.</b> Agence Nationale de la Recherche (ANR), France. 993 235 €.</p>	<p>Quentin Schull (Ifremer), Paul Tixier (Ifremer), Adouhouri Aly Bachiry (CNRO Madagascar) et al.</p>
<p><b>SIOMPA (2025-2028): MESCAL-WIO.</b> Agence Nationale de la Recherche (ANR), France. 350 000 €.</p>	<p>Thomas Lamy (MARBEC), David Kaplan (IRD), Christophe Lett (IRD), Celine Reisser (Ifremer) et al.</p>
<p><b>Rufford Foundation Small Grants (2024)</b> A comparison of population genomics and demographic histories of two southern African pipefishes. £ 3044.</p>	<p>Sven-Erick Weiss, Horst Kaiser (Rhodes), Gwynneth Matcher (SAIAB)</p>
<p><b>CPRR-NRF (grant no. 141960) 2023-2025</b> Marbibi-SA: DNA Barcoding Networks and Biodiversity of South Africa's Marine Benthic Invertebrate fauna. R 2283969.</p>	<p>Toufiek Samaai and Sven Kerwath (DFFE), Jyothi Kara (Iziko Museums), Denzil Beukes (UWC), Angus Macdonald (UKZN)</p>
<p><b>DFG 2022-2025</b> Hydrologische und geologische Treiber der Konnektivität und Entstehung moderner subtritatidaler Mikrobialite. 56382€ (portion assigned to UJ).</p>	<p>Gudrun Massmann and Silke Laakmann (Carl von Ossietzky University Oldenburg, Germany), Gavin Rishworth (NMU)</p>
<p><b>National Environmental Research Council (UK)</b> 2022-2023. Extant Peritidal Stromatolite Network (EPStromNet). £36985</p>	<p>Graham Underwood and Terry McGenity (University of Exeter), Andrew Cooper</p>

	(University of Ulster), Matt Forbes (Australian Research Council) et al.
<b>South African National Antarctic Programme: Ecogenomics.</b> NRF 2022-2024, R 4132500.	Bettine van Vuuren (UJ), David Hedding (UNISA), Charlene Janion-Scheepers (UCT) et al.
<b>NRF-ACEP 2022-2025</b> African Coelacanth Ecosystem Programme: Deep Connections. R1750000.	Stefano Mariani (Liverpool John Moores University, UK), Kerry Sink (SANBI), Bruce Mann (ORI) et al.
<b>Foundational Biodiversity Information Programme</b> NRF (2019-2021), R183000, "DNA barcoding of estuarine invertebrates in eastern South Africa"	Gavin Rishworth, Carole Simon (Stellenbosch University), Fiona Mackey (ORI) et al.
<b>South Africa-Mozambique-Zambia Trilateral Fundo Nacional de Investigaçã, NRF, NSTC (2019-2021)</b> 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 Investigaçã Pesqueira, Maputo, Moçambique)
<b>NRF Thuthuka Grant (2019-2020)</b> Population bottlenecks in batoid species caught in the KwaZulu-Natal shark nets. R 620000.	Kolobe Mmonwa (KZN Sharks Board)
<b>Mohamed bin Zayed Foundation (2018-2020)</b> A multidisciplinary research initiative to save the critically endangered estuarine pipefish, <i>Syngnathus watermeyeri</i> , from imminent extinction. US\$10704.	Paul Cowley and Nikki James (NRF-SAIAB), Nuno Monteiro (Universidade do Porto), Louw Claassens (Knysna Basin Programme)
<b>NRF CSRR (2016-2018)</b> Hybridisation of marine biota on a changing planet. R639445.	Marc Rius (University of Southampton), Christopher McQuaid (Rhodes University)

<p><b>NRF Thuthuka Grants (2016-2017)</b></p> <p>A genetic investigation of female philopatry in the ragged-tooth shark, <i>Carcharias taurus</i>. R 200000.</p>	<p>Kolobe Mmonwa and Matt Dicken (KZN Sharks Board), Aletta Bester-van der Merwe (Stellenbosch University)</p>
<p><b>NRF Blue Skies Programme (2015)</b></p> <p>Trees in the sea: the evolution of mangrove forests. R197500</p>	<p>Stefano Canicci and Sara Fratini (University of Florence), Christopher McQuaid (Rhodes University)</p>
<p><b>Oppenheimer Memorial Trust (2016-2017)</b></p> <p>Trees in the Sea: the Evolution of the Mangrove Forest Ecosystem. R700000.</p>	<p>Stefano Cannicci and Sara Fratini (University of Florence), Christopher McQuaid (Rhodes University)</p>
<p><b>NRF ACEP IV (2015-2018)</b></p> <p>Pathways of larval dispersal: the roles of alongshore and cross shore transport. R 1256300.</p>	<p>Francesca Porri (NRF-SAIAB), Christopher McQuaid (Rhodes University)</p>
<p><b>Rufford Foundation Small Grants (2015)</b></p> <p>A second look at the conservation genetics of the endangered Knysna seahorse. £5196.</p>	<p>Thomas Mkare (Kenya Marine Fisheries Institute)</p>
<p><b>PADI Foundation Grant (2015)</b></p> <p>Highway or bypass: the role of the Agulhas Current in facilitating coastal connectivity. US\$ 5000.</p>	<p>Marc Rius (University of Southampton), Gerardo Zardi and Katy Nicastro (CCMAR, Universidade do Algarve)</p>
<p><b>NRF CSUR (2014-2016)</b></p> <p>A genomic appraisal of the stock structure of South African sardines. R859800.</p>	<p>Luciano Beheregaray (Flinders University, Australia), Carl van der Lingen (DFFE), Tiru Golla (Rutgers University, USA)</p>

## LEADERSHIP AND COMMUNITY INVOLVEMENT

### COMMITTEE/PANEL/EDITORIAL BOARD MEMBERSHIPS

- 2016 International fisheries stock assessment workshop, Cape Town
- 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
- Small Pelagic Scientific Working Group (SWG-PEL), DFFE, Cape Town (2022-2024).

#### COMMUNITY OUTREACH

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

#### INVITED SPEAKER OR PANEL MEMBER

- 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".

- UJ Public Lecture (October 1, 2021): “Genomics is making waves in marine biology”.
- Guest lecture at CSIC-CEAB in Blanes, Spain: “Strengthening the Spain – southern Africa connection in marine biological research” (2022).

## RECENT CONFERENCE AND WORKSHOP ATTENDANCE

(excludes local conferences attended by supervised students)

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: 10<sup>th</sup> 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 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: XIII International Symposium on Littorinid Biology and Evolution (ISOLBE), Vila do Conde, Portugal

## 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)
- Kinary Chimani, University of Pretoria, MSc dissertation (2024)
- Mosihla Mokumo, Stellenbosch University, PhD thesis (2024)

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, 3<sup>rd</sup> year genetics course, University of Venda

2021-2022: Guest lecturer, 3<sup>rd</sup> year genetics course, Nelson Mandela University

## KEY COLLABORATORS

- Prof. Yun-Wei Dong, Fisheries College, Ocean University of China
- Dr Silke Laakmann, Carl von Ossietzky University Oldenburg, Germany



- Dr Gary Poore, Museums Victoria, Melbourne, Australia
- Dr Luisa Simbine, Instituto Nacional de Investigação Pesqueira, Av. Mao Tse Tung Nº 389, Maputo-Moçambique
- Prof. Isabel Marques da Silva and Dr Graça Mandava Jaime, Universidade Lúrio, Pemba-Moçambique
- Prof. Cyprian Katongo, University of Zambia, Zambia
- 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
- Emeritus Prof. Christopher McQuaid, Rhodes University, Makhanda, South Africa and University of Hong Kong
- 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, Department of Forestry, Fisheries and the Environment, Cape Town
- Dr Jyothi Kara, Iziko South African Museum, Cape Town, South Africa
- Dr Gavin Rishworth, Nelson Mandela University, Gqeberha, South Africa
- Emeritus Prof. George Branch, Department of Biological Sciences, University of Cape Town

## MEDIA RELEASES, VIDEOS AND POPULAR ARTICLES

2020

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> 40 775 and 1 248 reads (English and French versions, respectively)

Scientific American (Nikk Ogasa): "Mystery of doomed sardine migration is 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>

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/>

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>

## 2022

The Conversation: ¿Cómo predecir la expansión de una especie invasora a través de su ADN? <https://theconversation.com/como-predecir-la-expansion-de-una-especie-invasora-a-traves-de-su-adn-169847>

Saving the near-extinct estuarine pipefish means protecting estuary health. <https://news.mongabay.com/2022/05/saving-the-near-extinct-estuarine-pipefish-means-protecting-estuary-health/>

2024

BBC: How South Africa's sardine run is changing. <https://www.bbc.com/future/article/20240520-how-south-africas-sardine-run-is-changing>

IFL Science: What is the largest animal migration on earth? <https://www.iflscience.com/what-is-the-largest-animal-migration-on-earth-76419>

# PUBLICATIONS

## PEER REVIEWED SCIENTIFIC JOURNAL ARTICLES

(supervised postgraduate students are underlined)

1. Tensen L, **Teske PR** (submitted) Research monopolization in the biological sciences: charismatic species are partly to blame. **People and Nature**.
2. Emami-Khoyi A, Schnelle CM, Clark D, Laakman S, **Teske PR**, Rishworth GM (submitted) Eukaryote biodiversity in supratidal microbialite pools: a foundational eDNA assessment. **Estuarine, Coastal and Shelf Science**.
3. Nhlengethwa N, Stewart RD, Emami-Khoyi A, **Teske PR**, Csányi S, Heltai M, van der Bank M (submitted) An eDNA survey of plant biodiversity in an urban dam in Johannesburg, South Africa. **South African Journal of Botany**.

4. Oliver, J-C, Porri F, Emami-Khoyi A, **Teske PR** (2024) Unexpected mismatches in population structure between marine mussel life-history stages reveal the true scales of planktonic larval dispersal. **Limnology and Oceanography Letters** 9: 806-814. **Impact factor: 5.1, ranking: 1<sup>st</sup> in Limnology, 3<sup>rd</sup> in Oceanography**
5. Lin X-N, Ma C-Y, Hu L-S, Liao M-L, Ma L-X, **Teske PR**, Hoffmann A, Dong Y-W (2024) Genomics-informed range predictions under global warming reveal reduced adaptive diversity whilst buffering range shifts for a marine snail. **Global Change Biology** 30: e17571. **Impact factor: 10.8, ranking: 2<sup>nd</sup> in Global and Planetary Change.**
6. Gates K, Sandoval-Castillo J, Barceló A, Bertram A, Pratt EAL, **Teske PR**, Möller L, Beheregaray LB (2024) Connecting the dots: Applying multispecies connectivity in marine park network planning. **Biological Conservation** 298: 110759. **Impact factor: 5.1**
7. Fee GN, Roura A, Emami-Khoy A, **Teske PR** (2024) The complete mitochondrial genome of *Octopus vulgaris*. **Molecular Biology Reports** 51: 21.
8. Monsanto DM, Hedding DW, Durand S, Parbhu SP, Adair MG, Emami-Khoyi A, **Teske PR**, Jansen van Vuuren B (2024) The effect of terrain on the fine-scale genetic diversity of sub-Antarctic Collembola: A landscape genetics approach. **Ecology and Evolution** 14: e11519.
9. Payne RP, Ngwakum B, **Teske PR**, Landschoff J, Samaai T (2024) The first hermit crab-associated sponge from South Africa, *Suberites ambulodomus* sp. nov. (Porifera, Demospongiae, Suberitida, Suberitidae), and its relationship with the hermit crab *Pagurus liochele*. **Systematics and Biodiversity** 22: 2346829.
10. Rius M, Turon X, Morán P, Pérez J, Almón B, Pahad G, **Teske PR**, Vázquez E (2024) A morphogenetic characterisation of a potentially dominant African marine species in Europe. **Biological Invasions** 26: 2811-2818.
11. Planas M, Gristina M, Palma J, Qin G, Rose E, Roth O, **Teske PR** (2023) Editorial: Syngnathid fishes: biology, ecology, physiology, conservation and innovative rearing techniques. **Frontiers in Marine Science** 10: 1309683. **Impact factor: 5.2**
12. De Coito PM, Emami-Khoyi A, Hedderson T, Knapp IS, Toonen RJ, **Teske PR**, Branch GM (2023) A critically endangered estuarine limpet's only two populations are genomically and morphologically distinct. **Aquatic Conservation: Marine and Freshwater Ecosystems** 33: 867-883.
13. Serite CP, Emami-Khoy A, Ntshudisane OK, James NC, Jansen van Vuuren B, Bodill T, Cowley PD, Whitfield AK, **Teske PR** (2023) eDNA metabarcoding vs. metagenomics: an assessment of dietary competition in two estuarine pipefishes. **Frontiers in Marine Science** 12: 1116741. **Impact factor: 5.2**

14. Emami-Khoyi A, Jooste CD, Wasserman RJ, Dalu T, Raath-Krüger MJ, Jansen van Vuuren B, **Teske PR** (2023) Persistent effects of historical sea levels on the population structure of a temporary wetland copepod. **Freshwater Biology**. 68: 1442-1452.
15. 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. **Impact factor: 5.7**
16. 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: 75659. **Impact factor: 5.2**
17. **Teske PR**, Emami-Khoyi A, Golla TR, Sandoval-Castillo J, Lamont T, Chiazzari 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: 227 (top 5% of all research articles), ranking: 4th in multidisciplinary research.**
18. **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.
19. 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.
20. 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.
21. 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** 19: 747-769.
22. 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.
23. 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.

24. 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, ranking: 5<sup>th</sup> in multidisciplinary research.**
25. 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.
26. 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.
27. Mkare TK, van Vuuren BJ, **Teske PR** (2021) Conservation priorities in an endangered estuarine seahorse are informed by demographic history. **Scientific Reports** 11:4205.
28. Tladi M, Emami-Khoyi A, Dau T, **Teske PR**, van Vuuren BJ, Rogers C, Nyamukondiwa C, Wasserman RJ (2021) The complete mitogenome of *Leptesheria brevisrostris* Barnard, 1924, a rockpool clam shrimp (Branchiopoda: Spinicaudata) from Central District, Botswana. **Mitochondrial DNA B** 6:608-610.
29. Klein JD, Bester-van der Merwe AE, Dicken ML, Emami-Khoyi A, Mmonwa KL, **Teske PR** (2020) A globally threatened shark, *Carcharias taurus*, shows no population decline in South Africa. **Scientific Reports** 10: 17959.
30. Golla TR, Pieterse L, Jooste CM, **Teske PR** (2020) Discovery of populations endemic to a marine biogeographical transition. **Diversity and Distributions** 26: 1825-1832. **Impact factor: 5.7**
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Created, expanded or corrected the following pages on Wikipedia: *Hippocampus capensis*, *Hymenosoma*, *Pyura dalbyi*, *Pyura doppelgangera*, *Pyura praeputialis*, *Pyura stolonifera*, *Syngnathus acus*, *Syngnathus temminckii*, *Syngnathus watermeyeri*