

ABRIDGED CURRICULUM VITAE OF GAVIN GOUWS

(last updated 22 April 2014)

PERSONAL DETAILS:

Full names: Gavin
Surname: Gouws

Present employment: Scientist, Research Division,
South African Institute for Aquatic Biodiversity

Contact details: Tel: +27 46 603 5843; Fax: +27 46 622 2403; E-mail: follow link on webpage

TERTIARY EDUCATION / ACADEMIC QUALIFICATIONS:

Ph.D. (Zoology): Department of Zoology, Stellenbosch University, 2004
M.Sc. (Zoology) cum laude: Department of Zoology, Stellenbosch University, 1999
B.Sc. Hons (Zoology) cum laude: Department of Zoology, Stellenbosch University, 1996
B.Sc. (Zoology and Geology): University of Stellenbosch, 1995

EMPLOYMENT HISTORY:

1995 - 2004: Department of Botany and Zoology, University of Stellenbosch
Various student, teaching and research assistantships

2004 - 2006: Postdoctoral Research Fellow, Centre of Excellence in Natural Resource Management and the School of Animal Biology, The University of Western Australia.

2007 onwards: Scientist, South African Institute for Aquatic Biodiversity (SAIAB)

RECENT (POST-2009) PUBLICATION LIST

- Gouws, G.**, Matthee, C. A. and Stewart, B. A. 2010. A multiple data set phylogeny for the endemic South African freshwater phreatoicidean isopod genus *Mesamphisopus*: taxonomic and biogeographic implications. *Molecular Phylogenetics and Evolution* 55: 541-551.
- Gouws, G.**, Daniels, S. R. and Stewart, B. A. 2010. Phylogeographic structure in the gilgie (Decapoda: Parastacidae: *Cherax quinquecarinatus*) – a south-western Australian freshwater crayfish. *Biological Journal of the Linnean Society* 101: 385-402.
- Muths, D., Tessier, E., **Gouws, G.**, Craig, M., Mwale, M., Mwaluma, J., Mwandya, A. and Bourjea, J. 2011. Restricted dispersal of the reef fish *Myripristis berndti* at the scale of the SW Indian Ocean. *Marine Ecology Progress Series* 443: 167-180.
- Muths, D., **Gouws, G.**, Mwale, M., Tessier, E. and Bourjea, J. 2012. Genetic connectivity of the reef fish *Lutjanus kasmira* at the scale of the western Indian Ocean. *Canadian Journal of Fisheries and Aquatic Sciences* 69: 842-853.

- Gon, O., **Gouws, G.**, Mwaluma, J. and Mwale, M. 2013. Re-description of two species of the cardinalfish genus *Archamia* (Teleostei: Apogonidae) from the Red Sea and Western Indian Ocean. *Zootaxa* **3608**: 587-594.
- Gouws, G.** and Stewart, B. A. 2013. Molecular species boundaries in the phreatoicidean genus *Amphisopus* (Isopoda: Amphisopidae) and evidence for a new freshwater isopod species from Western Australia. *Invertebrate Systematics* **27**: 173-185.
- Chakona, A., Swartz, E. R., **Gouws, G.** and Bloomer, P. 2013. A freshwater fish defies ancient mountain ranges and drainage divides: extrinsic and intrinsic influences on the evolutionary history of a newly discovered galaxiid. *Journal of Biogeography* **40**: 1399-1412.
- Chakona, A., Swartz E. R. and **Gouws, G.** 2013. Evolutionary drivers of diversification and distribution of a southern temperate stream fish assemblage: testing the role of historical isolation and spatial range expansion. *PLoS One* **8(e70953)**: 1-13.
- Uiblein, F. and **Gouws, G.** 2014. A new goatfish species of the genus *Upeneus* (Mullidae) based on molecular and morphological screening and subsequent taxonomic analysis. *Marine Biology Research* **10**: 655-681.

Other publications:

- Fourteen peer-reviewed publications in the international ISI-rated literature prior to 2009
- Six published (peer-reviewed) conference proceedings
- Five limited-circulation research and technical reports
- Two popular articles
- One published book review

CONFERENCE AND SEMINAR PRESENTATIONS:

Eighteen oral and seven poster presentations as first or presenting author and 26 presentations as contributing or co-author at ten regional and seven international conferences, including:

- Zoological Society of Southern Africa conference – 1997
- South African Marine Science Symposium - 2011
- Southern African Society for Systematic Biology symposia – 1999, 2000, 2002, 2008, 2009, 2011, 2012, 2014
- Southern African Society of Aquatic Scientists conference (Swakopmund, Namibia) – 1999
- 4th International Crustacean Conference, Amsterdam, Netherlands – 1998
- 5th International Crustacean Conference, Melbourne, Australia – 2001
- 4th Pan-African Fish and Fisheries Association Conference, Addis Ababa, Ethiopia – 2008
- 8th Indo-Pacific Fish Conference, Fremantle (Perth), Australia – 2009
- 7th Western Indian Ocean Marine Science Symposium, Mombasa, Kenya – 2011
- 9th Indo-Pacific Fish Conference, Okinawa, Japan – 2013
- 8th Western Indian Ocean Marine Science Symposium, Maputo, Mozambique – 2013

Two invited seminars, School of Animal Biology, University of Western Australia & Dept of Agriculture, Albany.

Five SAIAB – Department of Ichthyology and Fisheries Science (Rhodes University) seminars

One Rhodes University Department of Entomology and Zoology seminar

Two seminars, Marine Research Centre, Maldives

Invited workshop presentation, King Abdullah University of Science and Technology (KAUST), Saudi Arabia

PROFESSIONAL / SOCIETAL AFFILIATIONS (PAST AND PRESENT):

Zoological Society of Southern Africa (ZSSA)

Southern African Society of Aquatic Scientists (SASAQS)

The Crustacean Society

Southern African Society for Systematic Biology (SASSB) – Council: since 2008; President-elect: 2011 – 2014

Western Indian Ocean Marine Science Association (WIOMSA)

Eastern Cape Research Association for Marine Resources (ECRAM)

DST-NRF South African Biosystematics Initiative (SABI) – Steering Committee member: 2010 - 2012

STUDENT SUPERVISION:

Albert Chakona: PhD, Rhodes University (2008-2012; co-supervisor) – graduated April 2012

Taryn Murray: MSc, Rhodes University (2010 – 2012) – graduated April 2013

Moqebelo Morallana: MSc, Rhodes University (2009 – 2014) – graduated April 2014

Pholoshi Maake: PhD, Rhodes University (2010 – 2014)

Jerraleigh Kruger: MSc, Rhodes University (2010 – present; co-supervisor)

Sisanda Mayekiso: MSc, Rhodes University (2011 – present)

Ross Rutherford-Jones: MSc, Rhodes University (2012 onwards)

Tumeka Mboho: MSc, University of Fort Hare (2013 onwards; co-supervisor)

Samantha Ockhuis: MTech, Cape Peninsula University of Technology (2013 onwards; co-supervisor)

Elethu Duna: BSc Honours, Rhodes University (2013)

Willem Malherbe: BSc Honours, Rhodes University (2013; co-supervisor)

Lindile Cele: MSc University of KwaZulu-Natal (2014 onwards; co-supervisor)

REVIEWING AND EDITORIAL RESPONSIBILITIES:

Associate Editor and Subject editor for Population Genetics, Phylogeography and Phylogenetics for *Marine Biology Research*

Subject Editor for Taxonomy for *Frontiers in Marine Science*

Reviewer for *African Journal of Marine Science*, *African Journal of Zoology*, *Biological Journal of the Linnean Society*, *Evolution*, *Hydrobiologia* (including the Freshwater Animal Diversity Assessment special addition), *ICES Journal of Marine Science*, *Journal of Fish Biology*, *Journal of the Marine Biological Association of the United Kingdom*, *Journal of Shellfish Research*, *Marine Biology Research*, *Molecular Phylogenetics and Evolution*, *Molecular Ecology*, *Molecular Ecology Resources*, *PLoS One*, *(Southern) African Journal of Aquatic Sciences*, *Water SA*, *Western Indian Ocean Journal of Marine Science*, and *Zootaxa*.