

Curriculum Vitae

Tim Vink

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~ Tim Joseph Franciscus Vink ~ 30 July 1986 ~ M.Sc. Marine Botany Student ~

Profile

My passion for wildlife biodiversity and its processes, led to me pursuing a research career in Environmental Sciences at the Nelson Mandela Metropolitan University, Port Elizabeth, South Africa. As a student I have maximised my experience in a multidisciplinary field by assisting researchers and participating actively in these opportunities. My principal interests are in marine nearshore ecology, connectivity and zooplankton dynamics in these systems.

My background in the organic farming industry, several part-time jobs and my active involvement as a field assistant has taught me to be a keen problem solver, innovative and always aiming for constant improvement of methods involved in scientific data collection. In addition I have gained an extensive set of skills through my interest in computers, software and more recently managing and analysing data. In this Curriculum Vitae I wish to elaborate on my experience and skills, if you require any further references or information do not hesitate to contact me.



Education

- 2012 - Present** **Nelson Mandela Metropolitan University, Port Elizabeth South Africa**
Master of Science Botany.
Thesis title: Phytoplankton structure and function in Algoa Bay, comparing measures of primary production and phytoplankton biomass in a dynamic coastal ecosystem.
- 2011** **Nelson Mandela Metropolitan University, Port Elizabeth, South Africa.**
Bachelor of Science Honours Zoology, Degree obtained.
Thesis title: Ichthyo- and macrozooplankton associated with accumulations of *Anaulus australis* in a warm temperate South African surf zone.
- 2008 – 2010** **Nelson Mandela Metropolitan University, Port Elizabeth, South Africa.**
Bachelor of Science, Degree obtained. Majors: Zoology and Botany.
First year subjects: Zoology, Botany, Geography, Geology, Computer science.
Second year subjects: Zoology, Botany, Geography.
Third year subjects: Zoology, Botany, Geographical Information Systems (GIS).
- 2005 - 2006** **HAS Den Bosch University, 's-Hertogenbosch, the Netherlands.**
Bachelor of Science Agri-business.
First-year subjects: mathematics, business economics, computer science, marketing and law. (Not completed)
- 2004 - 2005** **HAS Den Bosch University, 's-Hertogenbosch, the Netherlands.**
Bachelor of Science Animal husbandry and animal health care.
First-year subjects: Mathematics, Chemistry, Economics, Computer Science and Marketing. (Not completed)
- 1998 - 2004** **Higher General Secondary Education, Emmeloord, the Netherlands**
Modern languages: Dutch, English and German language. Science subjects: Mathematics, Chemistry, Physics, Biology, General ecology, Computer Science.
General subjects: Social science, Sports, Cultural and artistic development, Literature.

Experience

- South Africa** – **Field assistant and Part-time jobs**
- The Netherlands** – **Full time jobs during gap years (2006 - 2007)**
- Denmark** – **University vacation jobs**

Research

Research publications

- Vink, T.J.F., Strydom, N. A. and Campbell, E.E. (in prep). Ichthyo- and zooplankton dynamics associated with accumulations of *Anaulus australis* in a warm temperate South African surf-zone.
- Wasserman, R.J., Vink, T.J.F., Kramer, R., Froneman, P.W. (accepted). Hyperbenthic and pelagic predators regulate alternate key planktonic copepods in shallow temperate estuaries (submitted to Marine and Freshwater Research).
- Kramer, R., Vink, T.J.F., Froneman, P.W., Wasserman, R.J. (in prep). Threat sensitive predator avoidance by an estuarine calanoid copepod? Preliminary evidence for population level effects of conspecific alarm cues. (submitted to Austral Ecology).
- Wasserman, R.J., Vink, T.J.F. (in prep). Effect of male post-copulatory mate guarding on the swimming behaviour of female *Euterpina acutifrons* (Copepoda: Harpacticoida). (submitted to Journal of Plankton Research),

Conferences

- Vink, T.J.F., Campbell, E.E. and Bornman T.G. August 2012. Phytoplankton structure and function in Algoa Bay, comparing measures of primary production and phytoplankton biomass in a dynamic coastal ecosystem. SAEON Graduate Student Network Indibano, Howick, South Africa, Oral presentation.
- Vink, T.J.F., Strydom, N. A. and Campbell, E.E. June 2012. Ichthyo- and zooplankton dynamics associated with accumulations of *Anaulus australis* in a warm temperate South African surf-zone. 6th International Sandy Beach Conference, Mpkweni, South Africa, Oral presentation.
- Vink, T.J.F., Strydom, N. and Campbell, E.E. June 2012. Larval fish dynamics associated with *Anaulus australis* in a warm temperate South African surf-zone. Phycological society of Southern Africa, Kei Mouth, South Africa, Poster presentation. **Awarded first price poster presentation.**

Workshops attended

- Nelson Mandela Metropolitan University (NMMU). September 2012. Springer Research Writing workshop.
- Nelson Mandela Metropolitan University (NMMU), Alistair Potts. August 2012. Species Distribution Modelling in R. Applied Centre for Climate & Earth Systems Science (ACCESS). June 2012. Joint France – South Africa Marine Science Workshop. A satellite and in-situ field experiment in a turbulent ocean.

Skills

Languages

Academic oral and writing skills: English and Dutch Working oral knowledge of German and Afrikaans.

Drivers Licence

Code B. obtained (30-05-2005)

Scuba diving

SSI Advanced (November 2011)

Well versed on the following Software

Microsoft Office (up to v. 2013), including Access, Excel, Powerpoint, Publisher and Word.
Statistica (v. 11), Primer (v. 6), "R" Statistical Package and ImageJ image analysing software.
Adobe Creative Suite, including Photoshop CS6, Acrobat Professional X, Illustrator CS6, InDesign CS6, Premiere Pro CS6.
ArcGIS (up to v. 10.1), including ArcMap, ArcScene, ArcCatalog, ArcGlobe. AutoCad v. 2010.

Basic working knowledge on the following programming languages

SQL (within Microsoft Access and ArcGIS), HTML 5, PHP, R-script.