

Curriculum Vitae

Amieroh Abrahams

Qualification profile

Oceanographer with a range of skills, training and experience in field work, data analyses and statistics.

Highest qualification

MSc Marine Science/Oceanography - University of the Western Cape.

Profile Statement

Ambitious and motivated professional with leadership and communication skills and who is determined to learn new methods and techniques with a mature approach in handling any situation or task while developing a good working record with staff, faculties and peers.

Thesis Titles

Bachelor Thesis: Quantifying the impact of wind and wave action on seawater temperature along the South African coastline.

Master Thesis: Detecting patterns of upwelling variability in Eastern Boundary Upwelling Systems with special emphasis on the Benguela region.

Computing Competencies

Professional training in all standard Microsoft Office programs. Academic training in R, MATLAB, NCL, ODV, and Python with experience in Markdown and LaTeX document creation. Wide range of advanced R competencies including but not limited to: university curriculum, workshop development. Statistical analysis of time series data. Handling large atmospheric and oceanic datasets from *in situ*, remotely sensed, and reanalysis sources. Development, maintenance, and dissemination of environmental observation data products. Equally capable in both Windows and Linux based operating systems.

Training, Certificates and Achievements

Outstanding academic performance award from the Zoological Society of Southern Africa. Golden Key Chapter award scholarship obtained for outstanding academic performance, proven leadership skills and participation in community service. Google certification sponsored by SARAO Big Data Africa School for outstanding achievements. Awarded member of the Golden Key International Honour Society. Climate System Analysis Group Winter School certification from the University of Cape Town. Certified R and Python programmer. GMES & Africa and Copernicus Marine Earth Observation Training Course certification. Coastal sampling techniques, Deployments of CTDs, gliders, bongo nets on the SEAmester course on the SA Agulhas II.

Career profile summary

Job title: Researcher at the University of Bergen, Norway.

Time period: August 2020 – March 2021

Job Description: Data analyses. Oceanographic research.

Job title: Lecturer at the CarpentryConnect programming workshop at the University of the Western Cape, University of Kwazulu Natal and University of Pretoria.

Time period: September 2018 - present

Job Description: Lecture R, Python, OpenRefine and SQL.

Job title: Biostatistic assistant lecturer at the University of the Western Cape.

Time period: February 2019 – present

Job Description: Lecturing a biostatistics course to postgraduate students. This course is a compulsory module to all Honours students. The main aims of this course is to explain the concepts of alpha, beta and gamma diversity as well as providing the necessary skills allowing students to collect ecological data at the appropriate scale, which would ultimately lend themselves to a quantitative analysis.

Job title: Quantitative ecology assistant lecturer at the University of the Western Cape.

Time period: February 2019 – present

Job Description: Lecturing statistical/software competence: the management and analysis of ecological data; reproducible and collaborative research; the use of R as a tool for the analysis multivariate ecological data; multivariate techniques such as nMDS, PCA, RDA and cluster analysis; graphical data summaries and visualisations.

Job title: Assistant lecturer and practical demonstrator at UWC.

Time period: 22 July 2019 – 22 November 2019

Job Description: Discussing the concept of ecosystems and the way they function; Understanding the characteristics of a suite of different ecosystems; Students will be able to discuss the impacts of anthropogenic change on ecosystem integrity; understand the principles of community ecology, and be able to identify the main forces responsible for structuring biological communities; will be able to collect field data and analyse it numerically.

Job title: Practical demonstrator in ecophysiology.

Time period: 1 June 2017 – 12 December 2019

Job Description: Lecturing, grading and practical assistance.

Further details available upon request

References

Prof. AJ Smit

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Additional references available upon request

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