



Specialist Scientist: Biological Oceanography (OC64/2018)

Salary: R1 185 210 (All inclusive remuneration package, conditions apply)

Centre: Cape Town

Requirements:

- An appropriately recognised PhD in Marine Sciences, Biological Sciences, Zoology, Oceanography or related field. At least 10 years post qualification experience researching marine biology and biodiversity particularly plankton in South Africa, regionally and in the Southern Oceans;
- Extensive relevant research and Sound knowledge of marine biology. A proven record of scientific research output and human capital development; Demonstrated experience in establishing in situ oceanographic programmes. Extensive record of research and development in the ocean environment with existing funded projects;
- A good knowledge and understanding of the biological oceanography in the region and ability to integrate with other relevant disciplines for scientific and management purposes. Extensive ability to utilize oceanic observations and measurements in addressing scientific or practical problems;
- A proven track record of relevant research output including publications and human capital development. Ability to develop, promote and communicate research results to stakeholders, policymakers, scientists, and the general public. Demonstrated strategic management and scientific leadership;
- The successful incumbent must pass a medical examination for seafarers (Act No.57 of 1951). Registration with SACNASP as a Professional/Certificated Natural Scientist is compulsory;
- The following will be an advantage: Knowledge in establishing national or regional research programmes. Ability to respond and contribute to the development of internal and external cooperation projects. Experience in marine data and information handling and statistically analyzing data.

Duties:

- Conduct, supervise and manage monitoring programmes and time-series studies in respect of fluctuations in the marine environment in general and in plankton populations in particular, and examine their linkages with ecosystem variability and climate change;

- Integrate and develop research programmes pertaining to ocean processes and dynamics with an emphasis on integration with other disciplines. Develop programmes/projects on applied biological oceanography including theoretical, modeling, instrumentation and field programs spanning basic and applied research;
- Provide strategic scientific leadership and direction at national, regional and international levels. Participate in sea-going research cruises, field trips and related activities;
- Develop projects to address knowledge gaps in South Africa. Conduct and lead applied research into the biological oceanography around southern Africa with application to the earth systems approach;
- Develop research and environmental monitoring activities complementing and/or improving existing activities including developing applications from the marine information and data;
- Participate in working groups and scientific fora as required and delegated by the Department. Publish scientific results in peer-reviewed journals and present at conferences;
- Provide scientific advice pertaining to oceanography and play a leading role in advocacy. Manage research activities in oceanography and evaluate scientific efficiency. Mentor, train and develop junior scientists and technicians with emphasis on internal staff and students;
- Develop, implement and operationalize an in situ measurement strategy for South Africa comprising fixed and mobile platforms with strong local, regional and international links, and integration with biogeochemical modeling;
- Lead Research and Development into new in situ measurement technologies, platforms, and data processing, validation and dissemination methodologies. Participate in teaching at secondary to graduate level within his/her field of research

Enquiries: Jimmy Khanyile, Tel: 021 819 5003 / Ashley Johnson, Tel: 021 819 5003

Attention: Human Resource Management

Closing date: 24 December 2018

- All applications must be submitted on a **[Z83 application form](#)** (*click bold underlined text to download PDF form*) accompanied by certified copies of qualifications, identity document (ID) as well as a comprehensive curriculum vitae (CV) and Driver's License in order to be considered.
- The National Department of Environmental Affairs is an equal opportunity, affirmative action employer.
- It is the applicant's responsibility to have foreign qualifications evaluated by the South African Qualification Authority (SAQA).
- Correspondence will be limited to successful candidates only.
- People with Disabilities are encouraged to apply
- Short-listed candidates will be subjected to screening and security vetting to determine their suitability for employment, including but not limited to: Criminal records; Citizenship status; Credit-worthiness; Previous employment (reference checks); and Qualification verification. Candidates shortlisted for the SMS post will be subjected to a technical exercise that intends to test relevant technical elements of the job.
- Following the interview and the technical exercise, the Selection Panel will recommend candidates to attend a generic managerial competency assessment in compliance with the DPSA Directive on the implementation of competency based assessments.
- Furthermore, the person appointed to this position will be subject to a security clearance, the signing of a performance agreement and an employment contract.
- If you have not been contacted within three 3 months after the closing date of the advertisement, please accept that your application was unsuccessful.
- The department reserves the right not to make an appointment.
- Relaxation of qualification requirements may be considered for non-OSD posts
- **Applications must be forwarded to:** The Director-General: Department of Environmental Affairs, Private Bag X4390, Cape Town, 8000 or be hand-delivered to 14 Loop Street, Cape Town, 8000