

DEPARTMENT OF ENVIRONMENTAL AFFAIRS

Must be submitted on a Z83 form with a copy of a comprehensive CV, certified copies of qualifications and ID document in order to be considered. 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. The persons appointed to this position will be subjected to a security clearance. The department reserves the right not to make an appointment. No faxed, e-mailed and late applications will be considered. If you have not been contacted within three 3 months after the closing date of the advertisement, please accept that your application was unsuccessful. For more information regarding the requirements and duties in respect of each position, please visit our website at www.environment.gov.za. Click on vacancies and ensure you follow the correct link to the position of interest.

Director-General, Department of Environmental Affairs, Private Bag X4390, Cape Town, 8000 or hand-deliver to 14 Loop Street, Cape Town.

24 March 2019

Human Resource Management

APPLICATION

**CLOSING DATE
FOR ATTENTION**

POST

**SPECIALIST SCIENTIST: CHEMICAL OCEANOGRAPHY
(OC65/2018)**

Re-Advertisement: Those who applied previously are encouraged to re-apply)

SALARY

R 1 185 210 (All inclusive remuneration package, conditions apply)

**CENTRE
REQUIREMENTS**

CAPE TOWN

An appropriate recognized PhD degree in Chemistry (Inorganic Chemistry/Biogeochemistry) or equivalent qualification. At least 10 years post qualification experience Sound knowledge of the application of chemistry to the marine environment. A proven record of scientific research output and human capital development. Proven strategic management and leadership skills. Extensive experience in establishing research programmes. 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. Willingness and ability to go to sea regularly and for extended periods. A valid code 08/EB driver's license. The following will be an advantage: Proven extensive experience with marine chemistry research. A sound understanding of ecosystem processes and functioning in the oceans surrounding Southern Africa and impacts of global change.

DUTIES

Manage research activities and perform final review and approval of scientific projects. Establish research projects on chemical oceanography as applied to/within the marine environment. Conduct basic and applied research. Give scientific advice and advocacy in respect of the marine environment including the issues of climate change and ocean acidification. Provide strategic leadership at national, regional and international research activities. Publish and present research findings in local and international conferences. Mentor, train and develop junior scientists, technical support and students to promote skills/knowledge transfer and adherence to sound scientific principles and code of practice.

ENQUIRIES

Jimmy Khanyile 021 819 5003 / Ashley Johnson 021 819 5003

POST

**SPECIALIST SCIENTIST: BIOLOGICAL OCEANOGRAPHY
(OC64/2018)**

Re-Advertisement: Those who applied previously are encouraged to re-apply)

SALARY

R 1 185 210 (All inclusive remuneration package, conditions apply)

**CENTRE
REQUIREMENTS**

CAPE TOWN

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

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