Postdoctoral Fellow (Oceanographer) – Khalifa University – Abu Dhabi - UAE

The role of this position will be to define and initiate research into shelf-ocean interactions and coastal and shelf processes in Arabian Seas and Gulfs, especially the Arabian Gulf and the Sea of Oman. The successful candidate will focus on improving the understanding of ocean circulation and the transport and fate of waterborne materials/radionuclides. The duties and responsibilities associated with this position include, but are not limited to the following:

- Carrying out numerical modelling (hydrodynamic).
- Coupling the hydrodynamic model with biogeochemical model.
- Develop a dispersion model for radionuclides and considering sediments interactions.
- Validating modelling software products in the Arabian Seas.
- Running hydrodynamic modeling software such as such as ROMS, MITgcm, HYCOM on a Linux platform.
- Joining Marine cruises to collect data of ADCP, CTD, sediments, etc.
- Writing technical MATLAB and Python scripts.

Required Qualifications

- PhD in physical oceanography or a related discipline preferably with some postdoctoral experience.

Required Experience

- Strong scientific background and practical experience in physical oceanography and numerical modeling.
- Experience in analyzing large observation datasets and model outputs to interpret oceanographic processes.
- Strong programming skills in Matlab, IDL, Python C/C++, or FORTRAN.
- Practical experience in running software on a Linux platform.
- Detailed knowledge of one or more modelling software products such as ROMS, MITgcm or HYCOM.
- Demonstrated ability to publish research findings in peer reviewed journals.
- Excellent skills in scientific writing/publishing, presentation, and communication in English.

Please note that all candidates should possess good English language skills and should be capable of working with people of different national and cultural backgrounds. The compensation package for this position is very competitive with annual tax-exempt net salary commensurate with experience and education. Additional benefits include: one-time moving allowance, free comprehensive medical coverage and other components.

The application package should include:

- Comprehensive Curriculum Vitae
- Sample of relevant developed applications/products

Applications should be submitted by email to Dr **Maryam Rashed Al Shehhi** (**maryamr.alshehhi@ku.ac.ae**). The position will start in Jan 2024 for two years.