

The Leibniz Centre for Tropical Marine Research (www.leibniz-zmt.de) in Bremen is a member of the Leibniz Association, which is supported by the German Federal and State Governments. Through its research, ZMT contributes to developing science-based strategies for sustainable use of tropical coastal systems. The collaborative project SEANARIOS (together with Israeli and Italian partners) addresses the reaction of seagrass to scenarios of nutrient impact and elevated seawater temperature for exemplary sites in the Gulf of Aqaba and the Mediterranean. The project includes extended field experiments as well as spatial-explicit modelling of seagrass trajectories under potential future environmental conditions. For this project ZMT invites applications for

two Postdoctoral Scientists

(Reference number: 105 - SEANARIOS)

Duties and responsibilities:

- Collaborative synthesis of data for seagrass reaction to environmental change

Position 1, Seagrass Experiments:

- Execution of nutrient enrichment and elevated temperature field experiments
- Lab analyses of seagrass samples, data analyses

Position 2, Modelling of Seagrass Reactions:

- Development of a spatial-explicit model of seagrass reaction to environmental factors
- Parameterisation for specific seagrass species and execution and evaluation of scenario runs

Requirements:

- PhD or equivalent expertise in seagrass research or other relevant field
- Fluency in English

Position 1, Seagrass Experiments:

- Extended experience on seagrass field experiments and according lab analyses

Position 2, Modelling of Seagrass Reactions:

- Extended experience in the development of ecological models
- Knowledge in a programming language (e.g. JAVA) and in spatial explicit modelling approaches (Cellular Automata).

We offer:

- An exciting working environment in an interdisciplinary and internationally oriented institute and research project
- Possibilities to build and extend an international professional network and participate in a research field of high public and scientific interest
- A family-friendly working environment

The positions are limited to 18 months and will start on March 1st 2019. Positions are 50% (Position 1) and 75% (Position 2) but changes could be jointly negotiated. The salary will be paid in accordance to the German TV-L EG 13 (if the personnel requirements are fulfilled). ZMT is an equal opportunity employer. Applicants with a migration background are welcome. Disabled persons with comparable qualification receive preferential status.

Please, send your application including two references until January 31st 2019 as a single pdf file under reference number 105 - Seagrass Experiments or 105 - Modelling of Seagrass Reactions to Mrs. Lena Oehlmann, E-Mail: bewerbung@leibniz-zmt.de. The position will stay open until filled, but evaluation of applications will start on 1st February 2019.

For specific information about the project, please contact PD Dr. Hauke Reuter (hauke.reuter@leibniz-zmt.de) or Dr. Mirta Teichberg (mirta.teichberg@leibniz-zmt.de).

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