

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 ZMT has a position available for a

Post-Doctoral Position **in carbon sequestration through seagrass restoration** (Reference number: 100 - carbon sequestration)

Description:

The Research Group Algae and Seagrass Ecology in collaboration with Tropical Microbiology and Ecological Biogeochemistry seeks a 75% part-time post-doc candidate to carry out innovative research in the project "Rooting for resilience and carbon sequestration in seagrass restoration" (RootSea). The project will focus on methodology to optimize seagrass seedling root growth to aid in seagrass restoration and enhance carbon storage within seagrass sediments of restored seagrass meadows.

Tasks:

The project tasks include:

- Carrying out seagrass seed collections and organizing pilot seagrass restoration project in Zanzibar with German and international partners
- Designing and organizing lab experiments at the ZMT MAREE facility on optimizing seedling growth under varying experimental conditions
- Analyzing seagrass morphology, nutrient and organic matter contents, and microbial diversity
- Processing and analysing sediment or soil fractions
- Applying seedling cultivation methods in Zanzibar
- Working with local stakeholders in Zanzibar
- Synthesizing data and writing of manuscripts of scientific results
- Mentoring and co-supervising MSc or BSc level students working on the project

Requirements:

- MSc and PhD degrees in fields of biology, plant sciences, or marine sciences
- Extensive field and laboratory experience in seagrass ecology with a focus on carbon sediment dynamics
- Extensive experience in analytical methods to measure sediment density fractionation to quantify organic carbon
- Expertise in plant propagation or horticultural methods
- Prior international field experience
- Strong statistical background
- Advanced written and oral communication skills in English, including strong publication record
- Effective interpersonal communication and coordination skills including ability to work in a team and act as a mentor to MSc or BSc level students
- Willingness to travel to Zanzibar, Tanzania

For additional information, please contact: Mirta Teichberg: mirta.teichberg@leibniz-zmt.de

Details of Position:

- Part-time (75 %, TV-L, EG 13); envisioned starting date: January 15th, 2019.
- The candidate will be on a 16 month contract.

ZMT is an equal opportunity employer. Applicants with a migration background are welcome. Disabled persons with comparable qualification receive preferential status.

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 work environment

Submission of Application:

Please send your complete set of application documents in English comprising the following: Letter of Motivation, CV (with publication list included), attached certificates, and a writing sample from a published paper. Documents should be e-mailed as a single PDF file to Ms. Lena Oehlmann (bewerbung@leibniz-zmt.de) with the reference number 100, and the Working Group 'Algae and Seagrass Ecology.' Only short-listed candidates will be notified. Deadline for applications is December 7th, 2018.

Leibniz Centre for Tropical Marine Research, Fahrenheitstraße 6, D-28359 Bremen, Germany.