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.

In the frame of the Project “Application of Ozon in Aquaculture”, the Working Group Experimental Aquaculture at ZMT has a vacancy for a (subject to release of funds)

**PostDoc (gn)**

(Reference number: 239 – Experimental Aquaculture)

to start in November 2022.

**Description of the project:** Aquaculture is the fastest growing sector of food production worldwide, particularly in the last decade. Strict environmental standards are making recirculating aquaculture systems (RAS) an increasingly important subsector of aquaculture - especially in Europe. RAS offer several advantages over conventional aquaculture systems. Ozonation of process water in so-called ozone reactors has long been successfully applied in aquaculture to rid water of pathogens and improve water quality. Ozone (O3) is a powerful oxidant that reacts with a variety of substances in seawater to produce a strong disinfectant and nitrifying effect. Unfortunately, the use of ozone in water containing bromides - as seawater naturally is - does not come without problems. In order to take full advantage of ozonation in marine organism aquaculture, research is needed on efficient mechanisms to reduce bromate production or to remove bromate from process water.

**Requirements:** Applicants should hold a PhD degree in aquaculture, marine biology, ecology or related fields and should ideally have demonstrated experience in aquaculture and/or marine aquaristics and physiology. Particular focus is on animal handling, Phyto- and Zooplankton culture, data processing and communication with project partners. They should also fluently speak English and German and possess good scientific writing skills. Prior experience working abroad in difficult field conditions is preferred.

For additional information please contact: Dr. A. Kunzmann (andreas.kunzmann@leibniz-zmt.de).

**Details of position:**

Salary will be paid according to the German TV-L E13. The post will be filled as a part-time position (62.5% of a full-time position for one year). ZMT is an equal opportunity employer. Applicants with a migration background are welcome. Disabled persons with comparable qualification receive preferential status. ZMT is an equal opportunity employer. The ZMT values its diverse workforce and pursues the goal of providing equal opportunity, which incorporates gender neutrality (gn). We will be happy to accept your documents without a photo.

**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
Submission of application: Please send your application (a motivation letter, a copy of the PhD and master’s (diplom) certificate, a complete CV with a list of publications and skills, names with email addresses and telephone numbers of two referees) by 23.09.2022 as a single pdf file with the reference number “239 – Experimental Aquaculture” to Ms. Lena de Carné, email: bewerbung@leibniz-zmt.de.

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