



חקר ימים ואגמים לישראל בע"מ
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<http://www.ocean.org.il>

Research Position in Marine Invertebrates and Marine Biotechnology

Location:

Israel Oceanographic & Limnological Research (IOLR)

National Center for Mariculture (NCM), Eilat, Israel

Position Type:

Full-time research position

Scientific Field:

Biology, cultivation, and biotechnological applications of marine invertebrates and bioactive compounds

Position Description:

The **National Center for Mariculture (NCM)** at the **Israel Oceanographic & Limnological Research (IOLR)** invites applications for a full-time research position in the field of **marine invertebrate biology** and **marine biotechnology**.

The position focuses on the **culture, physiology, and biochemical potential** of marine invertebrates such as sponges, tunicates, soft corals, and mollusks, with the goal of identifying and developing **novel marine-derived materials**, including bioactive compounds for pharmaceutical, nutraceutical, and industrial use.

Key responsibilities:

- Cultivation of selected marine invertebrate species under **controlled aquaculture conditions**
- Development of **sustainable production methods** for biomass and bioactive metabolite extraction
- **Bioprospecting and screening** for novel compounds (e.g., antimicrobial, anti-inflammatory, anti-cancer)
- Collaboration with chemists, microbiologists, and pharmacologists in multidisciplinary research
- Preparation of **scientific publications**, progress reports, and funding proposals
- Active participation in **national and international research programs and consortia**

Requirements:

- Ph.D. in **Biology, Biotechnology, Biochemistry**, or **related life sciences**
- Hands-on experience with **marine invertebrate husbandry and experimental systems**
- Knowledge in **marine secondary metabolites, bioassays, or biomaterial applications**
- Ability to plan and execute **independent research**
- Strong **scientific writing** and **data analysis** skills
- Proficiency in English (written and spoken)
- Computer literacy (data processing, statistics, scientific tools)

Advantages:

- Postdoctoral training in marine biotechnology
- Experience in **natural product chemistry, tissue culture, or genomic tools** for compound discovery
- Record of publications in peer-reviewed journals
- Experience in **R&D collaboration** with academia or industry
- Knowledge of **regulatory and ethical aspects** of bioprospecting

Location Requirement:

The selected candidate will be based at the **National Center for Mariculture in Eilat** and is expected to reside in the Eilat area.

Application Process:

Applications should include:

- Detailed **Curriculum Vitae (CV)**
- **List of publications**
- **Degree certificates**
- Names and contact details of at least **three referees**

Please send all application materials to **Dr. Hanna Rosenfeld** at:

 **hanna@ocean.org.il**

More information about IOLR and the NCM is available at: www.ocean.org.il

A full-time research position for a veterinary or biologist is available at the Israel Oceanographic & Limnological Research (IOLR).