

MIKROBIOLOGICKÝ ÚSTAV

Akademie věd České republiky, v. v. i.

Postdoctoral Position– Zooplankton–Cyanobacteria Interactions

● Třeboň | Centrum ALGATECH – Mikrobiologický ústav AV ČR, v.v.i.

We are seeking a motivated **postdoctoral researcher** to join our team at the **ALGATECH Centre, Institute of Microbiology of the Czech Academy of Sciences (IMIC)**. The successful candidate will work on a project investigating how infochemicals released by zooplankton influence the morphology and cyanopeptide production of freshwater cyanobacteria. This is a **part-time position (30% FTE)** with a duration of three years.

Who are we?

The **ALGATECH Centre** is a branch of the Institute of Microbiology of the Czech Academy of Sciences (IMIC), located in Třeboň. Situated beside the scenic Svět pond, we focus on research into microalgae and cyanobacteria. Our centre hosts several internationally recognised research groups, a high proportion of international researchers, and offers a friendly, collegial working environment with English as the primary language.

Role and Responsibilities:

- Prepare **zooplankton and water samples** at the University of South Bohemia and deliver zooplankton-released exudates to Centre Algatech,
- Conduct **laboratory experiments** assessing zooplankton–cyanobacteria interactions.,
- Analyse cyanobacterial **morphology** using microscopy,
- Learn to prepare samples for **mass spectrometry analysis**,
- Assess **strain-specific effects** of zooplankton infochemicals,
- Collaborate with the project team on **data analysis and publication** of results,
- Integrate **ecological and chemical approaches** to understand the role of infochemicals in plankton interactions.

Required Skills and Qualifications:

- PhD in **ecology, limnology, microbiology**, or a related field,
- Strong knowledge of **zooplankton and cyanobacteria taxonomy and identification**,
- Experience with **laboratory culture, microscopy, and aquatic experiments**,
- Ability to plan and execute **controlled lab experiments**,
- Familiarity with **data analysis** and scientific writing,
- Excellent communication skills in **English**,
- Meticulous, independent, organized and reliable

What we offer:

- Work in a stimulating environment and an outstanding scientific institution,
- **6 weeks of vacation**,
- Friendly working environment,
- Opportunities for **professional development** and language courses,
- **Starting salary of equivalent to 48,000 Kč Gross (1 FTE)**.
- Social funds and pension insurance

Learn more:

- **Start:** by appointment (from 15.1. 2026 if possible)
- **Part-time position: 30% FTE**
- **Workplace:** Centre ALGATECH, Novohradská 237, 379 01 Třeboň, Czech republic
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Interested?

Send your CV, cover letter and references, to:

✉ **saurav@alga.cz** (Kumar Saurav, Ph.D., Laboratory of Algal Biotechnology)

☎ tel.: +420 737 003 359

Application deadline: 09.01. 2026