

MIKROBIOLOGICKÝ ÚSTAV

Akademie věd České republiky, v. v. i.

Postdoctoral Position– Microbial ecology–Environmental microbiology

● 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 bacteria contributes to the carbon cycle from a multidisciplinary approach. This is a **full-time position (100% FTE)** with a duration of two 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 phototrophic organisms. 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:

- Conduct environmental sampling in freshwater lakes, ponds and reservoirs.
- Conduct **laboratory experiments** assessing microbial respiration.
- Analyse abundances of phototrophic organisms using epifluorescence microscopy.
- Learn to prepare samples for **mass spectrometry analysis**, metagenomics and metatranscriptomics
- Assess diversity and community dynamics of phototrophic organisms
- Study the impact of eutrophication in the bacterial community.
- Collaborate with the international project teams for **data analysis and publication** of results
- Integrate **ecological and meta-omics approaches** to understand the role of bacteria the carbon cycle.

Required Skills and Qualifications:

- PhD in **ecology, limnology, microbiology**, or a related field,
- Strong knowledge of **microbial ecology and bioinformatics**
- 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**,
- Diligent and independent scientific criteria

What we offer:

- Work in a stimulating environment and an outstanding scientific institution in an international project that involves laboratories in Poland, Czechia, Germany and others.
- **6 weeks of vacation**,
- Opportunities for **professional development** and language courses,
- **Starting salary equivalent to 55,000 Kč Gross (1 FTE)**
- Attendance to international conferences.
- Social funds and pension insurance

Learn more:

- **Start:** by appointment (from 01.07. 2026 or as soon as possible)
- **Full-time position: 100% FTE**
- **Workplace:** Centre ALGATECH, Novohradská 237, 379 01 Třeboň, Czech republic

Interested?

Send your CV, cover letter and references, to:

✉ villena@alga.cz (Cristian Villena Alemany, Ph.D., Laboratory of Anoxygenic Phototrophs)

☎ tel.: +34 696 297934

Application deadline: 02.07. 2026