

PhD Position on Biotechnology of Microalgae

Join our new project **Bio2AgroFood** – part of the INTERREG IV-A programme for cross-border cooperation between the Czech Republic and Austria. We are looking for a motivated PhD student to join our team working on phototrophic microalgae cultivation in the **Laboratory of Algal Biotechnology at the Algatech Centre in Třeboň**, Czech Republic, a division of the **Institute of Microbiology of the Czech Academy of Sciences**.

This project aims to optimize selected microalgal species for the production of valuable bioactive compounds (e.g., PUFAs, anti-inflammatory agents, biostimulants, biocides, etc.) to maximize yields of these substances. The most promising strains will be used to develop functional prototypes of final products in collaboration with industry partners, including food and feed supplements, as well as plant stimulants.

WE OFFER:

- **Collaboration in a dynamic, international team** focused on microalgae physiology and biotechnology, based at a world-renowned centre for both basic and applied research (currently with around 120 employees).
- **Extensive learning opportunities**, including hands-on experience with cutting-edge research techniques and the chance to develop new skills in a supportive and collaborative environment.

Required Qualifications:

- **A Master's degree (MSc) in plant physiology, microbiology, agriculture, or related fields.**
- **Basic experience in the cultivation of microorganisms.**
- **Proficiency in data analysis and image processing is a plus.**
- **Strong communication skills, self-motivation, and the ability to work both independently and as part of a team.**

How to Apply:

- Please submit your CV, a motivation letter outlining your previous experience, a list of publications (if applicable), references, and contact information. Either online or in-person interviews will be conducted as part of the selection process.
- For more information or inquiries, feel free to contact us.

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