

Postdoctoral Position in Algal Biorefinery

The Algal Biorefinery Group at the Laboratory of Algal Biotechnology, Centre Algatech (Institute of Microbiology of the Czech Academy of Sciences), Třeboň, Czech Republic, led by Dr. José Cheel, invites applications for a **junior researcher (postdoc)** position to work within a applied research project.

Research Focus

We are seeking a highly motivated postdoctoral researcher to contribute to the development/innovation of integrated algal biorefinery processes aimed at the recovery and valorization of bioactive products from macroalgae.

The successful candidate will:

- Develop and optimize algal biorefinery and downstream processing strategies.
- Perform analytical characterization of bioactive compounds using chromatographic and mass spectrometry techniques (HPLC-MS and related methods).
- Assist in monitoring separation processes and product quality during process development and scale-up.
- Contribute to the generation and interpretation of analytical datasets supporting applications in nutraceutical, food, cosmetic, feed, and other bio-based sectors.
- Participate in scientific publications, project reporting, and proposal preparation.

Candidate Profile

Required:

- PhD. in chemistry, biotechnology, biology, pharmacy, biochemistry, or related field.
- Experience with chromatographic and analytical techniques (e.g., HPLC, LC-MS, or similar methods).
- Track record of first-author publications in reputable peer-reviewed journals.
- Experience in applied research and separation process/product development.
- Ability to work independently, strong scientific writing skills, and ability to contribute to research proposals.
- Strong scientific writing and communication skills in English.
- Experience with statistical software and data analysis tools is considered an advantage.

We Offer

- Excellent infrastructure in separation sciences and natural products research.
- Opportunities for industrial collaboration and international networking.
- Two-year contract, with possible yearly extension based on performance.
- Salary according to Czech academic pay scales, including full health and dental insurance.
- Employee benefits, including 30 days of paid vacation per year and recreation benefits.

Application

Please submit a single PDF including:

1. Motivation letter (max. 1 page).
2. CV (max. 2 pages).
3. Contact details of two academic/professional references (please do not include recommendation letters at this stage).

Send to: jcheel@alga.cz (Dr. José Cheel, Ph.D.)

Deadline: 31 March 2026