



PhD position in Algal Biorefinery

The group of Algal Biorefinery of the Laboratory of Algal Biotechnology, at Centre Algatech, Institute of Microbiology, Trebon (Czech Republic), led by José Cheel, invites applications for the position of one PhD student.

We are seeking a candidate for applied research aimed at exploring and advancing algal multitarget biorefinery processes. The selected PhD candidate will play a central role in the research, development and implementation of state-of-the-art separation processes, in particular using counter-current chromatography. These techniques will be used to recover valuable products from algal biomass obtained by both autotrophic and heterotrophic cultivation methods. The algal products obtained will be subjected to thorough biological analyses to evaluate their biofunctional properties. The applications of these products extend to various industries, including food supplements, food, cosmetics, pharmaceuticals and animal feed.

The Centre Algatech hosts several internationally recognized groups in microbiological research with a high proportion of foreign researchers, a friendly atmosphere and English as the working language. We have excellent facilities for research into separation sciences, natural products, molecular biology and biochemistry.

For Ph.D. candidates, a doctorate degree will be conferred by the University of South Bohemia.

We are looking for candidates with:

- A master's degree or graduates of five-year university studies in biotechnology, chemistry, biology, pharmacy, biochemistry or a related field.
- Independent thinking, motivation and strong communication skills.
- Independent contributions to applied research, ideally publications in peer-reviewed journals.
- Experience in industry is an advantage.

We offer:

- Individualized mentoring.
- Stay abroad and co-operation with European universities and industry.
- Opportunities to network, work abroad and present data at regional and/or international conferences.
- 4 year PhD scholarship including health insurance provided by the employer.
- 6 weeks paid holiday per year.

To apply: Please send a single PDF document in English with the following information to José Cheel (jcheel@alga.cz) by 19 January 2024.

- Letter of motivation outlining your suitability for the position (max. 1 page)
- Curriculum vitae (max. 2 pages)
- Contact information for 2 academic referees (please do not attach letters to the application)