



The Department of Agrobiotechnologie (IFA-Tulln), Institute of Environmental Biotechnology, working
group on Microbial Production Technology is currently seeking a

Postgraduate Research Associate (Project employment)

Reference code: 101

Extent of employment: 30 Hours per Week
Duration of employment: 01st of February 2016 to 31st of January 2019

Place of work: A-3430 Tulln an der Donau

Gross monthly salary and pay grade in terms of collective agreement
for university staff (payable 14 times per year): B1, € 1.997,20

The limited availability of renewable resources requires new/alternative approaches in terms of raw materials, production processes, utilization and the end-of-life phase of products. Biorefinery is a concept aiming at the intensification of processes by the integrated utilization of primary and secondary raw materials. The utilization of industrial residues as secondary raw materials is a promising approach to lower production costs and overall increase the revenue of the biorefinery process. The aim of this industry-oriented doctoral project is to develop a process based on a residue from sugar production in order to produce polyhydroxyalkanoates (PHA) with halophilic microorganisms.

Responsibilities

- Analysis and evaluation of industrial residues using modern analytics
- Planning and implementation of fermentation processes at laboratory and pilot scale
- Evaluation and documentation, writing of reports
- Integration into the (inter)national project team
- Presentation and publication of scientific results
- Writing of a dissertation and conferral of a doctorate

Required skills and qualifications

- Master's degree in biotechnology or a related field (e.g. microbiology, chemical engineering, process engineering)
- Practical experience with microbiological methods, ability to carry out and develop methods for chemical and biochemical analyses
- Good technical comprehension and willingness to work on the design and installation of experimental set-ups
- Ability to work in a team
- Willingness to obtain a doctoral degree in the areas of environmental biotechnology/technical microbiology

Desirable skills and qualifications

- The applicant should enjoy working independently in a practice-oriented manner
- Practical experience in microbial bioprocess technology
- Diligence and reliability
- Very good language skills in English and willingness to learn German
- Relevant computer skills

Applications can be submitted until: 31st of December 2015

University of Natural Resources and Life Sciences Vienna seeks to increase the number of its female faculty and staff members. Therefore qualified women are strongly encouraged to apply. In case of equal qualification, female candidates will be given preference unless reasons specific to an individual male candidate tilt the balance in his favour.

Please send your job application to Personnel department, University of Natural Resources and Life Sciences, 1190 Vienna, Peter-Jordan-Straße 70; E-Mail: kerstin.buchmueller@boku.ac.at. (**Reference code: 101**)

We regret that we cannot reimburse applicants travel and lodging expenses incurred as part of the selection and hiring process.

www.boku.ac.at

Vice Rector for Human Resource Management and Organisational Development:
Univ.Prof. DI Dr. Georg Haberhauer, MBA