



The Department of Water, Atmosphere and Environment, Institute of Soil Physics and Rural Water Management is currently seeking a

Postgraduate Research Associate Project employment (Reference code: 219)

Extent of employment: 30 hours per week
Duration of employment: 1st of March 2021, limited to 29th of February 2024

Workplace: 1190 Vienna, Muthgasse 18

Gross monthly salary and pay grade in terms of collective agreement for university staff (payable 14 times per year): B1, € 2.196,80

Responsibilities

The doctoral thesis is integrated in the project “Heat below the City” (funded by the Wiener Wissenschafts-, Forschungs- und Technologiefonds) which is conducted in cooperation with the University Vienna and the Geological Survey of Austria. The objectives of the project are the evaluation of the temperature distribution of the groundwater in Vienna and how temperatures affect the chemical and biological status of groundwater. The PhD candidate of the sub-project at BOKU has mainly the following tasks:

- Sampling of groundwater
- Development of a monitoring concept
- Laboratory analysis (geochemistry and water stable isotopes)
- Data evaluation and interpretation
- Statistical trend analysis and time series analysis (temperature and geochemical data)
- Conceptual model development for groundwater flow considering the measured environmental tracer information
- Groundwater modelling

Required skills and qualifications

- Diploma degree in Hydrology, Geosciences, Environmental Sciences or other equivalent university degree
- Experience with groundwater sampling and analysis of water chemistry in the laboratory
- Very good skills in statistics and time series analysis
- Knowledge in hydrogeology and environmental tracers
- Experience with groundwater modelling
- Publication and presentation of research results

Desirable skills and qualifications

- Basic knowledge in microbiology
- Experience with geoinformation systems
- Interest in interdisciplinary research questions
- Willingness to write a dissertation
- Motivation, ability to work in a team and independently
- Driving license

Applications can be submitted until: 21st of December 2020

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.

People with disabilities and appropriate qualifications are specifically encouraged to apply.

Please send your job application incl.

- Motivation letter
- CV
- Bachelor and master certificates
- Summary of master thesis
- Names of two referees

as a single PDF-file (< 5 MB) to Personnel department, University of Natural Resources and Life Sciences, Peter-Jordan-Straße 70, 1190 Vienna; E-Mail: kerstin.buchmueller@boku.ac.at. (**Reference code: 219**)

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

www.boku.ac.at