

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

## **Postgraduate Research Associate**

(Reference code: 190)

Extent of employment: 30 hours per week

Duration of employment: 1<sup>st</sup> of November 2022, limited to 31<sup>st</sup> of October 2025

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, € 2.294,00

### **Responsibilities**

- Analysis of nitrate isotopes in water samples
- Method development and establishment
- Laboratory and field measurements of soil hydrological, hydrogeological and isotope hydrological parameters
- Evaluation of soil and groundwater samples to identify nitrate sources and denitrification potentials
- Investigation of water and solute fluxes in the unsaturated zone and in groundwater
- Evaluation and interpretation of the results
- Publication of the results in scientific journals
- Presentation of the obtained results at congresses
- Completion of doctoral studies at the University of Natural Resources and Life Sciences is desired

### **Required skills and qualifications**

- Diploma degree in Geosciences, Environmental Sciences, Environmental Chemistry, Water Management and Engineering or other equivalent university degree
- Experience in isotope analysis and isotope hydrology
- Experience in field work and water sampling
- In-depth knowledge of soil hydrology and hydrogeology

### **Desirable skills and qualifications**

- Interest in interdisciplinary research questions
- Understanding and interest in mathematical modeling
- Motivation, ability to work in a team and independently
- Driving license
- English (spoken and written)

Applications can be submitted until: 20<sup>th</sup> of October 2022

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](mailto:kerstin.buchmueller@boku.ac.at). (**Reference code: 190**)

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

**[www.boku.ac.at](http://www.boku.ac.at)**