



At the Faculty of Geosciences, Geoengineering and Mining, Institute of Geology, Chair of Hydrogeology and Hydrochemistry, a vacancy is available for the position to be filled as of 01.03.2023 as a



**Research Associate (m/f/d) – reference number 321-E/2022**

is available.

**Pay grade:** according to the German pay group "Entgeltgruppe" 13 TV-L  
**Hours:** 0,6 FTE  
**Contract type:** fixed-term until 28.02.2026

At the professorship of Hydrogeology and Hydrochemistry, the complex processes in the transport of substances, particles and microorganisms in the surface water-groundwater-rock system are investigated. Using groundwater for drinking water as well as for energy purposes are further important subjects of investigation.

**Job description:**

The position holder is involved in the BMBF funded project "iMolch", subject to final project funding approval. The background of the project is the use of organic and inorganic indicators for sustainable water management concepts.

The focus is on the development and use of numerical models for the identification and description of hydrogeological and hydrochemical processes. Tasks include:

- technical development of a system model / numerical model to be used as a forecasting tool for hydrogeological, hydrochemical and microbiological processes for the study area at the "Stadtwerke Düsseldorf" site
- extension to further sites for examination and verification of the system models with regard to their use for water management application
- data research of boundary conditions (climatic, water use, input conditions, etc.) as well as their implementation in the model
- as well as publishing the results in scientific journals and presenting them at conferences

**What you can expect from us:**

- working at a family-friendly university with flexible working hours
- attractive fringe benefits, e.g. Asset-based benefits (VL), company pension schemes (VBL), health management, "Job-Ticket"
- a wide range of networking, mentoring and development opportunities
- a focused research programme and a structured training strategy

**What we expect from you:**

- university diploma or master degree in the field of hydrology / geology / hydrogeology / geochemistry / hydrochemistry or equivalent
- very good academic record during studies and aiming for further qualifications (a Ph.D.)
- experience with monitoring applications and working with hydrological data sets is advantageous

**For further information please contact Prof. Dr. Traugott Scheytt;  
phone: +49-3731 39-2775 e-mail: [Traugott.Scheytt@geo.tu-freiberg.de](mailto:Traugott.Scheytt@geo.tu-freiberg.de).**

The applicant (m/f/d) must meet the hiring requirements for fixed-term employment contracts according to the *WissZeitVG*. Applicants with disabilities will receive preferential consideration, provided they possess equal qualifications. For consideration, we ask you to submit proof of your disabled status together with your application documents. TU Bergakademie is committed to increasing the number of women in teaching and research positions, hence qualified female candidates are especially encouraged to apply.

Written applications, including a CV, motivation letter and copies of all relevant qualifications documents (certificates, diplomas) and a summary of the thesis, should be submitted by **January 31<sup>st</sup>, 2023** stating **reference number (321-E/ 2022)** to the following address:

**TU Bergakademie Freiberg, Dezernat für Personalangelegenheiten, 09596 Freiberg or  
e-mail: [bewerbungen@tu-freiberg.de](mailto:bewerbungen@tu-freiberg.de)**