



The Aquatic Geochemistry Group at the Institute of Applied Geoscience at TU Darmstadt, Germany, is inviting applications as soon as possible for

Research Associate/Postdoc (all genders)

The initial employment is for 3 years and an extension of additional 3 years is possible, subject to positive assessment.

The Aquatic Geochemistry Group is a new research group at the Institute of Applied Geoscience at TU Darmstadt. The group studies biogeochemical and transport processes in aquatic environments, with focus on the subsurface and particularly on shallow groundwater systems. We perform both experimental and modeling investigation to study flow and reactive transport processes in porous media at different scales. Current area of research include, charge interactions in pore water and at solid/solution interfaces, reactive minerals and chemical heterogeneity, mixing in porous media, fate and transport of organic and inorganic contaminants in the subsurface, reactive transport and geochemical modeling, atmosphere/subsurface interactions, and electrokinetic remediation of contaminated soils and groundwater.

The successful applicant will be engaged in research exploring reactive transport of emerging contaminants (i.e., organic and inorganic) in the subsurface as part of our interdisciplinary research group that combines experimental and modeling investigation. The Aquatic Geochemistry Group will provide opportunities to significantly shape your research projects, follow and develop your research ideas and interests, and become a leader of a productive research team.

In addition to research activities, the successful candidate will teach in the field of Aquatic Geochemistry (4h/week during the semester), (co)supervise BSc, MSc and PhD students, and will be active in proposal writing and funding acquisition.

The successful candidate must have completed a PhD program in Environmental Engineering, Geosciences, Environmental Sciences or similar disciplines and can document a successful track record of academic achievements, such as international peer-reviewed publications, teaching activities, research projects, and mentoring of students.

In-depth knowledge of environmentally relevant aquatic geochemical systems with documented capabilities of experimental field/laboratory investigation and/or biogeochemical modeling are a requirement for this position. Expertise in minerals/water and/or minerals/pollutants interactions, fate and transport of inorganic and organic contaminants, advanced analytical and/or modeling skills are important assets for the position. The candidate should be able to work independently, publish high-quality research outcomes, develop national and international scientific collaborations, and establish networks with partners within and outside academia.

We offer you to work in a motivated, dynamic, and international team with the possibility to develop new ideas and to participate in multi-disciplinary research projects. We are also strongly committed to support the candidate's career development.

The fulfillment of the duties likewise enables the scientific qualifications of the candidate. Opportunity for further qualification (habilitation) is given.

The Technische Universität Darmstadt intends to increase the number of female employees and encourages female candidates to apply. In case of equal qualifications applicants with a degree of disability of at least 50 or equal will be given preference. Wages and salaries are according to the collective agreements on salary scales, which apply to the Technische Universität Darmstadt (TV-TU Darmstadt). Part-time employment is generally possible.

Please send your application as a single PDF including a letter of motivation, a complete CV and the names and email address of two referees to: cazzonelli@geo.tu-darmstadt.de

For further information, please contact Prof. Dr. Massimo Rolle, massimo.rolle@tu-darmstadt.de

By submitting your application, you agree that your data may be stored and processed for the purpose of filling the vacancy. You can find our → [privacy policy](#) on our webpage.

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