

Open position starting from 01.04.2019 for three years as

Post Doc position in impact of surface water management on groundwater mixing in Alpine catchments

About us

The Chair of Hydrology and River Basin Management (www.hydrologie.bgu.tum.de) together with the Chair of Numerical Mathematics (<https://www-m2.ma.tum.de/bin/view/Allgemeines/>) of the Technical University of Munich offer this interdisciplinary position in the framework of the DFG funded project Hydromix (Impact of surface water management on groundwater mixing in Alpine catchments). In this project, we aim at investigating how surface water management in Alpine catchments affected by strong anthropogenic impacts control mixing processes at multiple temporal scales (subdaily, daily, weekly, seasonal) in aquifers. The study area will be the Adige aquifer in North-East Italy. The candidate is expected to work in close collaboration with other projects in both Chairs (e.g., co-supervision of PhD students as well as Master and Bachelor thesis).

Tasks

- Experimental work in the Adige aquifer (Italy)
- Groundwater modelling
- Development of novel uncertainty quantification methods
- Quantification of parametric model uncertainty

Your Profile

- Strong background in groundwater modelling and inverse modelling
- Experience in field hydrological investigations.
- Programming skills using Matlab, R or Python
- English at advanced level, the knowledge of Italian is appreciated

We offer

The successful candidate will be offered a position funded by the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) for a fixed-term of 3 years. An extension of the project for 3 additional years is foreseen upon approval of a planned follow up project. The earliest starting date is 01.04.2019. Salary is TV-L E13 (100%) according to the German TV-L system (Tarifvertrag für den Öffentlichen Dienst der Länder). The candidate will work partially at TUM in main campus and partially in Garching. Disabled candidates will be given preference over other equally qualified applicants. The University seeks to raise the number of women in research and teaching and therefore urges qualified women to apply.

Contact:

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Application

Application – preferably by email - will remain open until the position will be filled.