

The **Department of Geography**, research group on “Soil and Water Ecosystems”, Prof. Dr. Peter Chiffard is currently accepting applications for a

Research Assistant (Doctoral Researcher)

The position is offered for a period of 3 years, if no former times of qualification must be considered. The starting date is as soon as possible. The position is part-time (75 % of regular working hours) with salary and benefits commensurate with a public service position in the state Hesse, Germany (TV-H E 13, 75 %).

The project “Temporal and spatial dynamics of organic carbon in intermittent springs”, funded by the German Research Foundation (DFG), aims to investigate and evaluate the importance of intermittent springs for the aquatic carbon cycle in mid-mountain regions.

The tasks include scientific services in research and teaching. Furthermore, the instrumentation of 40 springs in 4 catchment areas (Black Forest, Sauerland, Ore Mountains and Marburger Bergland), the ongoing collection of water samples and the analysis of these in the laboratory to determine the concentration as well as the spectral properties of organic carbon. The position holder organizes independently the field and laboratory work, evaluates the collected data with innovative statistical methods, presents and publishes the results at international conferences and in peer-reviewed journals.

The position is limited to a time period deemed adequate for the completion of a doctoral degree. As part of the assigned duties, there will be ample opportunity to conduct the independent scientific research necessary for the completion of a doctorate. The limitation complies to § 2, 1 WissZeitVG.

The successful applicant will hold an MSc-degree or equivalent in geography or comparable disciplines (e.g. biology, hydrology) as well as basic knowledge in hydrological, biogeochemical or limnological field and laboratory methods (e.g., TOC analyzer, fluorescence spectrometer) is required. Knowledge in the subject area of source ecosystems and initial experience in statistical analysis of hydrological as well as biogeochemical data (e.g. PARAFAC, PCA, CCA, RDA, LOADest) is an advantage. A technical interest in source instrumentation and further development of an automated water sampler in cooperation with technical staff is helpful. The research results should be published in international journals and conferences, so very good oral and written expression in English is essential. Participation in business trips (lasting several days) and possession of a class B driver's license is required. Willingness to pursue own scientific qualification is expected. Disposition to own scientific qualification (e.g. a doctorate project in the area geography, hydrology or limnology) is expected.

We actively support the professional development of junior researchers by the offers of Marburg Research Academy (MARA), the International Office, the Higher Education Didactics Office and the Human Resources Development Office.

We support women and strongly encourage them to apply. In areas where women are underrepresented, female applicants will be preferred in case of equal qualifications. Applicants with children are welcome - Philipps-University is certified as a family-friendly university. Sharing a full-time position (§ 8 Abs. 2 S. 1 HGlG) as well as a reduction of working time is possible. Applicants with a disability as described in SGB IX (§ 2 Abs. 2, 3) will be preferred in case of equal qualifications. Application and interview costs can not be refunded.

Please send your application mentioning registration number fb19-0002-wmz-2021 as a single PDF file to peter.chiffard@uni-marburg.de before 19.03.2021.