

The Department of Geography at the Justus Liebig University in Giessen / Germany, metropolitan region of Frankfurt / Main invites applications for a

PhD position

in “Reconstructing Landscape Evolution of the NE Iranian Plateau, applying luminescence dating techniques to Pleistocene-Holocene sediments”.

The research project deals with the reconstruction of landscape evolution on the Iranian Plateau. Neotectonics, environmental and climatic changes have shaped the geomorphological development of the Plateau since the late Pleistocene, which will be reconstructed based on late Pleistocene-Holocene sediment archives and landforms (including playas and alluvial fans). The project includes a close cooperation with the University of Würzburg, the latter dealing mainly with GIS and remote sensing analysis, field mapping and sedimentological drill core recording and its analysis. The research project located at the Justus Liebig University in Giessen (JLU), will primarily deal with the establishment of chronostratigraphies, applying luminescence dating techniques. For this purpose, sediment samples from different sediment archives and landforms will be taken during field work on the Iranian Plateau. Next to a modern and fully equipped luminescence laboratory, we offer an attractive working environment in a dynamic group of geoscientists and luminescence specialists, dealing with earth surface processes for reconstructing landscape evolution in the Quaternary.

Specific Duties:

- Field work in Iran (sampling, drilling).
- Applying luminescence dating techniques including sample preparation.
- Data analysis and its interpretation for reconstructing landscape evolution.

Requirements:

- A Master’s degree in Geosciences or related fields.
- Strong interest in the geoscientific topics of the project and in luminescence dating and data analyses (experience in luminescence dating is of advantage).
- Willingness for carrying out field work in Iran and attending international conferences.
- Good English language skills.

The PhD position is offered for three years starting at the beginning of 2022. Payment will be in accordance with TV-H 13 (75%). Your work place will be located in Giessen, a university town north of Frankfurt and easy to reach by public transport or bike. We offer an interesting and inspiring working environment and encourage especially female candidates to apply. PhD candidates are members of our graduate school, which aims to help young academics thrive through all stages of their training.

Please send an application including an informative cover letter, a CV, a 1-page letter of motivation, copies of study certificates and the names and contact information of two references) by e-mail (one PDF-attachment with max. 5MB including all documents) to markus.fuchs@geogr.uni-giessen.de. For further information please contact **Prof. Dr. Markus Fuchs** using the e-mail address given above.