



Press release: Prof Mohamed Yousif from the Desert Research Center (Cairo, Egypt) is a guest (DAAD alumni) in the working group Geomorphology and Soil Geography, Institute of Geography, Heidelberg University

The Heidelberg Institute of Geography welcomes Prof Mohamed Yousif from the Desert Research Center (Cairo, Egypt). Prof Yousif is hydrogeologist. He is using different techniques (e.g. GIS, Remote Sensing, Isotopic Analysis) in order to increase the evidences and accuracy of groundwater exploration. In Heidelberg he is also expanding the research approach of hydrogeomorphology.

Professor Mohamed Yousif is Professor of Hydrogeology at the Desert Research Center (Cairo, Egypt). He is DAAD alumni and was already a guest in Heidelberg in 2010. His main scientific approach is based on applications of remote sensing and GIS for water resources development. He has studied and conducted research about remote sensing and GIS at the Universities of Heidelberg, Cologne and Hohenheim, as well as the University of Tokyo and Palaski University. Among his most important scientific achievements is conducting research about water on planet Mars, where likely places for water were identified. In another article, he presented an innovative method for the possibility of drilling to extract groundwater on Mars through plasma drilling. Furthermore, he publishes a new scientific theory to increase the evidences and accuracy of groundwater exploration by the use of landforms and sediments resulting from previous humid climatic periods. Now, he is coming back to Heidelberg University through a postdoctoral scholarship funded by DAAD to carry out researches in the Institute of Geography (working group of Prof Olaf Bubbenzer) about hydrogeomorphology, remote sensing and groundwater recharge of coastal aquifers. Throughout his research stay (May to July 2023), Prof Yousif (yousif_mohamed80@daad-alumni.de) can be found in room INF348/116.