

Rebwar Dara

Doctoral Researcher

[School of Geography, Earth and Environmental Sciences \(/schools/gees/index.aspx\)](/schools/gees/index.aspx)

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About

Title of PhD: Combining geophysical and environmental tracer approaches for identifying shallow subsurface aquifer-river exchange

Supervisors: [Dr Stefan Krause \(/staff/profiles/gees/krause-stefan.aspx\)](/staff/profiles/gees/krause-stefan.aspx) and [Dr Michael Rivett \(/staff/profiles/gees/rivett-michael.aspx\)](/staff/profiles/gees/rivett-michael.aspx)

I am undertaking doctoral research into the Hyporheic zone (The saturation zone between groundwater and surface water). I am using a geophysical technique (Electrical resistivity tomography ERT) and environmental tracer approach (eg. Fiber-Optic distributed temperature sensing) for identifying spatial patterns in streambed physical properties as the main controls of the aquifer river exchanges flow of meandering rivers.

Qualifications

B.Sc. and M.Sc.

Biography

I worked as a teaching assistant in the Geology Department from January/08/2006 to Oct/17/2008 at Salahaddin university-Erbil-Iraq- College of Science, Department of geology. Then In October 2008, I was accepted into the MSc Program at Salahaddin University in the specialty of Hydrogeology. In February 2011, I gained an MSc degree in geology and became assistant lecturer for the Hydrogeology course in the department of geology at Salahaddin university.

Currently, I am doing a PhD at the University of Birmingham in the School of Geography, Earth and Environmental Sciences.

Research

Research interests

Hydrogeology, Hydrogeology, Contaminant hydrology, Exchange between GW-SW, Geophysics (electrical resistivity method)

Other activities

Member of syndicate of geology in Kurdistan-Iraq