

C.V

Name: - Ahmed Srdah Kadhem

Birth: - Baghdad-1974

Certificates: - Bsc. In Geology - College of Science - Baghdad University

1997. (From first tenth)

- M.Sc. In Geophysics - College of Science - Baghdad University

2011.

- Ph.D. In Geophysics - College of Science - Baghdad University

2015.

Specialization: - Geophysics- Hydrogeophysicist.

Letter of appreciation: - (35), Five of them from Ministers of Water Resources and one of them from The Chancellor of Baghdad University and the Chancellor of Al-Karkh University of Sciences.

Job Title:- Head of Geophysics Division, in General Commission for Groundwater- Ministry of Water Resource – Iraq from 10/3/ 2010 to 20/4/2012.

Job Experiences:-

- Good Experiences Geological Jobs with State Company for Geological Survey and Mining in the Nainwa Governorate Projects for Sulfur Mining and other Projects from 20/9/1999 to 11/7/2001.
- Good Experiences with General Commission for Groundwater from 25/8/2001 by supervision many Geological Jobs in deferent Iraqi Governorates, until 1/2/2023,
- Lecturer at Al-Karkh University of Science from 1/2/2023 until now.
- **Scientific Experiences:-**
- Many Articles in the Iraq News Papers about Groundwater (7).
- Discover new equation to determinate the water saturation for sandstone (Published in the Journal of Environmental Science and Engineering).
- Publication of book entitled: - Principles of Electrical Resistivity Techniques, by [Lambert Academic Publishing](#).

- Publication of book entitled: - The Electrical Resistivity Method Techniques (in Arabic).
- Publication of book entitled: - Principles of Seismic Refraction Method (in Arabic).
- Publication of book entitled: - Groundwater in Iraq.
- Participant in many international conferences.
- Many Reports and Geophysical Studies in Groundwater.
- Many Papers in the international Journal such as Near Surface Geophysics, Journal of Environmental Science and Engineering and Arabian Journal of Geosciences.

Training:-

- Training Crosses in Borehole Logging in Baghdad 2003 for (15) days.
- Training Crosses in Milano City in Italy for Drilling Tools for Groundwater Wells 2006 for (18) days.
- Workshop with UN in Negotiation Management in International Water in Baghdad, 2010 for (5) days.
- Workshop with USGS in Erbil- Iraq. In Geophysics for Ground Water Exploration, 2010 for (10) days.
- Training Course about Syscal pro - switch pro in France for Resistivity Method, 2011 for (18) days.
- Organized a Sessions Training In Geophysics Exploration for Many Companies.
- Workshop with Jica in Egypt. Groundwater and Artificial Recharge, November 20- December 15, 2016.
- Workshop with UNESCO in Erbil- Iraq. In Geophysics and Remote Sensing for Water Resources Investigation, 2017 for (10) days.
- Workshop with Jica in Egypt. Groundwater and Artificial Recharge, December 23,2018- January 17, 2019.

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Papers :-

1- Comparison between 2D imaging and vertical electrical sounding in aquifer delineation: a case study of south and south west of Samawa City (IRAQ).

Arabian Journal of Geosciences

2- Aquifers Delineation Using Vertical Electrical Sounding In South And Southwest Of Samawa City, Southern Iraq..... *Iraqi Bulletin of Geology and Mining*

3- Use of 2D azimuthal resistivity imaging in delineation of the fracture characteristics in Dammam aquifer within and out of Abu-Jir fault zone, central Iraq.....*Arabian Journal of Geosciences*

4- Determination of Water Saturation (SW%) by Using P-wave Velocities for Saturated Sandstone..... *Journal of Environmental Science and Engineering*

5- Delineation of Subsurface Fractures Density Within and Out of Abu-Jir Fault Zone Using 2D Imaging Resistivity Technique, A case Study from Southwest of Karbala City, Central Iraq..... *Iraqi Journal of Science*

6- Evaluation of Three Important Electrode Arrays in Defining the Vertical and Horizontal Structures in 2D Imaging Surveys..... *Iraqi Journal of Science*

7- A comparison between 2D azimuthal and 3D resistivity imaging techniques in determining the subsurface fracture zones within Abu-Jir Fault Zone, Southwest Karbala, Central Iraq.....*Near Surface Geophysics*

8- Use of 2D Resistivity Imaging Technique in Delimitation of Hydraulic Connection between Dammam and Umm Er Radhuma Aquifers within Abu-Jir Fault Zone, Central Iraq..... *Iraqi Journal of Groundwater*

9- Evaluation of Five Electrode Arrays in Imaging Subsurface Archaeological Targets a Case study..... *Iraqi Bulletin of Geology and Mining*

10- Detected of Gypsum Soil Layer By Using 2d And 3d Electrical Resistivity Imaging Techniques In University Of Anbar, Iraq. *Iraqi Geological Journal*

11- Abnormality of geothermal gradients in Iraqi western desert inferred from borehole temperatures, *IOP Conference Series Earth and Environmental Science*.