

C.V

Name: Dr. Jassim Muhammad Thabit

Date of Birth: 27/11/1958

Religion: Moslem

Martial statues: Married

No. of children: Five

Specialization: Iraqi

Scientific Degree: Professor

Work Address: College of Science- University of Baghdad-Department of Geology

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■ **First, Scientific Certification:**

Degree science	University	College	Date
B.Sc.	Baghdad	Science	1980
M.Sc.	Baghdad	Science	1983
Ph.D.	Baghdad	Science	1998
Any other	-	-	-

■ **Second, Career:**

No.	Career	Workplace	From -To
1	-Assistant Lecturer	-Dept. of Geology-Univ. of Mosul	1986-1990
2	-Lecturer	- Dept. of Geology-Univ. of Mosul and Baghdad	1990-2003
3	- Assistant Professor	- Dept. of Geology-Univ. of Baghdad	2003-2014
4	- Professor	- Dept. of Geology-Univ. of Baghdad	2014

■ **Third, University Teaching:**

No.	University	The (Institute / College)	From -To
1	University of Mosul	- College of Science – Dept. of Geology	1986 -1999
2	Ministry of Higher Education and Scientific research	- Department of Research and Development, Department of studies	1999-2003
3	University of Baghdad	-College of Science	2003-
4	-	-	-

■ **Fourth, Courses Which You Teach:**

No.	Department	Subject	Year
1	Dept. of Geology-Mosul University	Resistivity method	1986-1993
2	Dept. of Geology-Mosul University	Well logging	1988-1993
3	Dept. of Geology-Mosul University	Engineering geology	1989-1992

4	Dept. of Geology-Baghdad University	Electrical method	2002-
5	Dept. of Geology-Baghdad University	Electromagnetic method	2004-
6	Dept. of Geology-Baghdad University	Ground Penetration	2007-
7	Dept. of Geology-Baghdad University	Applied geophysics	2004-
8	Dept. of Geology-Baghdad University	Theoretical geophysics	2004-

■ Fifth, Thesis which was supervised by :

No.	Thesis Title	Department	Year
1	- AL-Awsi, M. D., (2005), Study of the sediments nature by using Electrical Resistivity Method at AL-Jadiriya site, M.sc.Thesis, College of Science, (Baghdad Univ.), 128p.	Dept. of Geology-Baghdad	2004
2	- Mawlod,R.R.,(2006),Possibility of detection and evaluation of ground water aquifer in Eastern site of Kirkuk by using the vertical electrical sounding method, M.sc.Thesis, College of Science, (Baghdad Univ.),147p.	Dept. of Geology-Baghdad	2006
3	- Amin ,A. K. ,(2008),Aquifer delineation and evaluation of hydraulic parameters from surficial resistivity measurements in Sharazoor basin-North East Iraq,Ph.D Thesis, College of Science, (Baghdad Univ.),194p.	Dept. of Geology-Baghdad	2008
4	- AL- Zubedi, A.S., (2009), Application of 2D imaging and vertical electrical sounding in aquifer delineation south of Samawa City, M.sc.Thesis, College of Science,(Baghdad Univ.),125p.	Dept. of Geology-Baghdad	2009
5	-AL-Khafaji A.J.M.(2010),Geophysical and Geotechnical investigation of soil underneath the foundation of AL- Abbas Holy Shirine in Kerbala'a Governorate,Ph.D Thesis, College of Science, (Baghdad Univ.), 173p.	Dept. of Geology-Baghdad	2010
6	-AL-Menshed, F.H., (2011), Possibilities of resistivity method in delineation ground water hydrocarbon contamination southeast of Karbala city, Ph.D.Thesis, College of Science, (Baghdad Univ.), Iraq, 210p.	Dept. of Geology-Baghdad	2011
7	-Al-kafaji, M.A, (2011), Investigation of subsurface archaeological features using GPR in ancient UR- city (South west Nasiriya-Iraq), M.Sc. Thesis, College of Science, (Baghdad Univ.), 107p.	Dept. of Geology-Baghdad	2011
8	- AL-Hameedawie, M. M., (2013), Comparison between different electrode arrays in delineating aquifer boundaries by using 1D and 2D techniques in north Badra area eastern Iraq, M.Sc. Thesis, College of Science, (Baghdad Univ.)145p.	Dept. of Geology-Baghdad	2013
9	-AL-Shammeri A. N., (2013), Establishing relations between hydraulic parameters and geoelectrical properties for fractured rock aquifer in Dammam Fn. At Bahr AL-Najaf basin, Ph.D.Thesis, College of Science, (Baghdad Univ.) Iraq, 160p.	Dept. of Geology-Baghdad	2013

10	-Abraham,S.N.,(2013),Comparison Between The Ground Penetration Radar (GPR) and 2 Dimension (2 D) Imaging in Delineation and Identification Subsurface Archaeological Structures in Uruk Site , Al – Muthanna Governorate , Ph.D. Thesis, College of Science, (Baghdad Univ.),Iraq,149p	Dept. of Geology- Baghdad	2013
11	- Mishal A. A.,(2013),Comparison between 2D imaging survey and traditional electrode arrays in delineating subsurface cavities in Haditha-Hit area (W Iraq), Ph.D. Thesis, College of Science, (Baghdad Univ.),Iraq, 114p.	Dept. of Geology- Baghdad	2013
12	-Kasm, A. A., (2015), Determination Subsurface Formations and Aquifers by Using Resistivity Method in Southern Babsaya (Alshihaby) Area (South east) of Wasit Governorate, M.Sc. Thesis, College of Science, (Baghdad Univ.),Iraq, 125p.	Dept. of Geology- Baghdad	2015
13	- AL- Zubedi, A.S.,(2015), Delineation of Subsurface Fracture Characteristics Using 2D Azimuthal Resistivity Imaging in Dammam Aquifer Within and Out of Abu-Jir Fault Zone , Southwest of Karbala City, Central Iraq., Ph.D. Thesis, College of Science, (Baghdad Univ.), Iraq, 147p.	Dept. of Geology- Baghdad	2015
14	- Bakir, H. B., (2016), Assessment of Vertical and Horizontal Ground Penetrating Radar resolution for Typical Models of Different Targets ,Ph.D. Thesis, College of Science, (Baghdad Univ.), Iraq,145p.	Dept. of Geology- Baghdad	2016

■ **Sixth, Conferences which you participated:**

No.	Conferences Title	Year	Place	Type of
1	2 nd Scientific Conference of SDRC	1990	Mosul	Oral presentation
2	9 th Iraqi geological Congress	1990	Baghdad	Oral presentation
3	Symposium on the Geodynamic development of the Arabian Lithosphere	1990	Jordan	Oral presentation
4	10 th Iraqi Geological Congress	1992	Baghdad	Oral presentation
5	4 th Scientific Conference of SDRC	1994	Mosul	Oral presentation
6	5 th Conference on Geology of Arab World (GAW-5)	2000	Egypt	Oral presentation
7	7 th International Conference of Jordanian Geologist Association	2001	Jordan	Oral presentation
8	6 th Conference on Geology of Arab world (GAW-6)	2002	Egypt	Oral presentation
9	14 th Iraqi Geological Congress	2000	Iraq	Oral presentation
10	7 th Conference on geology of Arab world (GAW-7)	2004	Egypt	Oral presentation

11	8 th International Conference of Jordanian Geologist Association	2004	Jordan	Oral presentation
12	9 th Conference on Geology of Arab world (GAW-9)	2008	Egypt	Oral presentation
13	10 th Conference on Geology of Arab world (GAW-10)	2010	Egypt	Oral presentation
14	1 th First symposium on geology studies in archaeology (SGSA)	2011	Baghdad	Oral presentation
15	International conference on Iraqi oil studies	2011	Baghdad	Oral presentation
16	18 th International petroleum and natural gas congress and exhibition of Turkey	2011	Turkey	Oral presentation
17	1 th Geological conference, Mosul, Iraq.	2012	Iraq	Oral presentation
18	7 th International symposium on Geophysics.	2012	Egypt	Oral presentation
19	2 nd Scientific for pure sciences.	2012	Iraq	Oral presentation
20	2 nd International conference on Iraqi oil studies.	2013	Iraq	Oral presentation
21	Scientific conference on recent contributions to the geology of Iraq.	2014	Iraq	Oral presentation
22	2 nd symposium on geology studies in archaeology (SGSA)	2015	Iraq	Oral presentation
23	International Water Conference 2016 "Water Resources in Arid Areas: The Way Forward"	2016	Oman	Oral presentation

■ **Seventh, Scientific Activities:**

Within the College	Outside the College
-Committee for the assessment and evaluation of researches	Consultant in Ministry of Irrigation (2001-2003).
	Consultant in Ministry of Housing and Building (2000-2003).

■ **Eighth, Research Projects in The Field of Specialization to The Environment and Society or the Development of Education:**

No.	Research Title	Year
1	AL-Shaikh, Z.D., AL-Ane, J.M. and Mutib, M. (1989), Electrical investigation in parts of Khoursubad area, (in Arabic), Jour. Geol. Soc. Iraq, Vol. 22, No.1, P. 160-177.	1989
2	AL-Ane, J.M. and Mutbi, M. A., (1990), Evaluation of subsurface sediment in Al- Quba area using vertical electrical sounding, 2nd Conf. Of Saddam Dam Research Center, Mosul University, P.106-206.	1990
3	AL-Din T.S. and AL-Ane, J.M., (1990), Application of electrical resistivity method for hydrogeological problems in Jolak River Basin, Iraqi Geological Journal, Vol.23, No.1, P.42-53.	1990

4	AL-Ane, J.M. and Daoud, Y.N., (1991), Subsurface structure investigation using electrical resistivity method, south of Mosul, (in Arabic), Jour. Geol. Iraq Vol. 24 , No.1 , P. 40-53.	1991
5	AL-Ane, J.M., AL-Shishkh, Z.D. and Mutib, M., (1992), Electrical investigation of Groundwater environment in the Rashidiya area, NW Mosul, Jour. Ground Water Reso. , Vol. 11.	1992
6	AL-Ane, J.M. Mutib, M. and Ahmad, T.Y., (1993), Delineation of buried structures in a hill within Nineveh using wenner array, Jour. Archaeology and History in Arab world, Vol. 48 .	1993
7	AL-Ane, J.M. Mutib, M. and Ahmad, T.Y., (1992), Electrical resistivity exploration in the northern part of Ancient Nineveh, Jour. Geol. Soc., Iraq Vol. 25, No.1 , P. 59 - 74 .	1992
8	AL-Ane, J.M. and Daoud Y.N. (1993), Study of quaternary deposits and lithological sequence by resistivity sounding, North West Mosul, (in Arabic). Jour. Geol. Soc. Iraq, Vol. 26, No. 2, P. 1-15.	1993
9	AL-Ane, J.M., (1993), Detection of underground cavities using electrical resistivity method, Jour. Geol. Soc. Iraq, Vol. 26 , No.1 , P. 13-26.	1993
10	AL-Ane, J.M. and AL-Din, T., (2000), The effect of resistance space for Schlumberger and wenner arrays on depth function and depth investigation, Fifth Int. Conf. on the Geology of the Arab World, Cairo Univ, Giza, Egypt.	2000
11	AL-Ane, J.M. and AL-Din,T.,(2001), The distinction between two type of Dipole arrays depending on the Earth Resistance Space, Seventh Jordanian Geol. Conf., Geologists Association, Amman, Jordan.	2001
12	AL-Ane, J.M. and AL-Din, T., (2002), Theoretical and application consideration for the effect of Shlumberger array geometry on apparent resistivity curves, sixth Int. Conf. on the Geology of the Arab world, Cairo Univ, Giza, Egypt.	2002
13	AL-Ane, J.M. (2004), Mineral deposit study by using vertical electrical sounding, Seventh Int. Conf. On the Geology of the Arab World, Cairo Univ, Giza, Egypt.	2004
14	AL-Ane, J.M. and AL-Din, T., (2006), The relation between electrodes geometry and investigation depth in dipole arrays, eighth Int. Conf. on the Geology of the Arab world, Cairo Univ, Giza, Egypt.	2006

15	AL-Ane, J.M. Mutib, M. and Ahmad, T.Y., (2005), Delineation of buried Archaeology structure in a hill within Nineveh using wenner array, Jour. Geol. Soc. Iraq, Vol. 34-38, No.1.	2005
16	AL-Zubedi, A.S. and Thabit, J.M., (2014), 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, No.1, Vol.7, pp. 173-180, DOI 10.1007/s12517-012-0788-y.	2014
17	Thabit, J.M. and AL-Hameedawie, M.M., (2014), Delineation of groundwater aquifers using VES and 2D imaging techniques in north Badra area, Eastern Iraq, Iraq journal of Science, No.1, Vol.55, pp. 173-184.	2014
18	Thabit, J.M., AL-Hameedawie, M.M., and, A.S.AL-Zubedi, (2014), Effect of near surface Inhomogeneity on the 2D Resistivity Imaging data for different electrode arrays, in publication.	
29	Thabit, J.M., AL-Banna, A, S. and AL-Kafaji, M, A., (2014), Investigation of the Subsurface Archaeological Features Using Ground Penetrating Radar in Ancient UR-City (Southwest Nasiriya /Iraq), in publication.	
20	Thabit, J.M. and Abed A. M., (2013), Evaluation of different electrode arrays in delineation subsurface cavities by using 2D imaging technique, Journal of Univ. of Anbar for pure Science, Vol.7, No.3, pp. 166-175.	2013
21	Thabit, J.M. and Abed A. M., (2014), Detection of subsurface cavities by using Pole- dipole array (Bristow's method)/Hit area-Western Iraq, Iraqi journal of Science, Vol.55, No.2A, pp.444-453.	2014
22	Thabit, J.M., Al-Yasi, A. I. and Al-Shemmari, A. N., (2014), Estimation of Hydraulic Parameters and porosity from Geoelectrical Properties for Fractured Rock Aquifer in Dammam Formation at Bahr Al- Najaf Basin, Iraq, Scientific Conference on recent contributions to the geology of Iraq ,Iraqi bulletin of Geology and Mining, Vol.10, No.2 ,pp. 41-57 .	2014
23	Thabit, J.M., Al-Yasi, A.I. and Al-Shemmari, A. N., (2014), Establishing Relations between Hydraulic Parameters and Geoelectrical Properties to Predict Aquifer characteristics in Fractured Rocks of Dammam Formation at Bahr Al- Najaf Basin., in publication.	
24	Thabit, J.M. and Abed A. M., (2014), Enhancement of Bristow's method (Pole- dipole array) to detect subsurface cavities in Hit area-Western Iraq, in publication.	

25	Thabit,J.M. and AL-Zubedi, A.S.(2015),Aquifers Delineation using Vertical Electrical Sounding in south and southwest of Samawa City- Southern Iraq, Scientific Conference on recent contributions to the geology of Iraq. Iraqi bulletin of Geology and Mining, Vol.11, No.1,Part 2, pp. 133-141.	2015
26	Thabit, J.M. , Abed A. M. and Al-Menshed,F.H., (2015), 3D resistivity imaging survey to delineate Um El-Githoaa cavity in Hit area, Western Iraq, Tikrit journal of Pure Science,Vol.20,No.2,pp. 135-141.	2015
27	Thabit, J.M. and Kassim, A. A., (2015), Delineation of Quaternary Aquifers by Using Long 2D Imaging in Southern Al-Shihaby Area (Wasit Governorate), Eastern Iraq, Iraq journal of Science, No.1C,Vol.56,pp.785-797.	2015
28	AL-Zubedi, A.S. and Thabit, J.M., and AL-Hameedawie, M.M., (2015), 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, Iraq journal of Science, Vol.56, No.1B,pp. 466-473.	2015
29	Thabit,J.M. and AL-Zubedi, A.S.(2015), Evaluation of Three Important Electrode Arrays in Defining the Vertical and Horizontal Structures in 2D Imaging Surveys, Iraqi Journal of Science, No.2B,Vol. 56, pp.1465-1470.	2015
30	AL-Zubedi, A.S. and Thabit, J.M.,(2016),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, Arab J Geosci, Vol.9, No.1,pp:2-9,DOI 10.1007/s12517-015-2070-6.	2016
31	AL-Zubedi, A.S. and Thabit, J.M.,(2016), 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,Vol.14,No.5,pp:413-421, Doi:10.3997/1873-0604.2016020.	2016
32	Thabit, J.M. and Khalid, F. H., (2016), Resistivity imaging survey to delineate subsurface seepage of hydrocarbon contaminated water at Karbala Governorate, Environmental Earth Science 75(1): 1–7, DOI 10.1007/s12665-015-4880-y.	2016

33	Thabit, J.M., AL-Banna, A, S. and AL-Awsi M. D., (2016), Using Vertical Electrical Sounding in Buildings Site Investigation, a case study of Southern of Baghdad city / Iraq, Iraqi Bulletin of Geology and Mining, Vol.12, No.1,pp:31-39.	2016
34	Abed A. M. and Thabit, J.M. (2016), Delineation of K-3 Cavity Using 2D Imaging Resistivity Technique in Haditha Area (Western Iraq), Iraqi Journal of Science, Vol. 57, No.1A, pp: 209-217.	2016
35	Al-Khersan, E.H., Thabit, J.M., and Salah A.N., (2016), Integrated GPR and ERT as Enhanced Detection for Subsurface Historical Structures Inside Babylonian Houses Site, Uruk City, Southern Iraq, Pure and Applied Geophysics, Vol. 173, No.3, pp: 963-982. Doi.org/10.1007/s00024-015-1162-2.	2016
36	Thabit, J.M., Bakir, H. B., (2016), Distinction of Two Zero-Spaced Iron Pipes in GPR Radargram for Engineering Problems, Iraqi Journal of Science, Vol. 57, No.3A, pp: 1775-1782.	2016
37	Thabit, J.M., Bakir, H. B., (2016), In Situ Measuring of Relative Dielectric Permittivity to Calculate Electromagnetic Wave Velocity, Iraqi Journal of Science, Vol. 57, No.3C, pp: 2252-2257.	2016
38	AL-Menshed F. H. and Thabit, J.M., (2016), The use of an azimuthal resistivity survey to detect the flow direction of hydrocarbons in the unsaturated zone at Karbala Governorate, Iraq, Environmental Earth Science 75(19),pp:1-11,1328, doi:10.1007/s12665-016-6120-5.	2016
39	AL-Zubedi, A.S. and Thabit, J.M., Albasrawi, N, H, (2016), 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, Vol.1, No.0, pp: 19 – 29.	2016
40	AL-Menshed F. H. and Thabit, J.M., (2017), Evaluation of 2D resistivity imaging technique for delineating subsurface seepage of hydrocarbon contaminated water southeast of Karbala city, Iraq, Environmental Science and Pollution Research 24(7),pp:6523–6531 doi:10.1007/s11356-016-8310-9.	2017

41	AL-Hameedawie, M.M. and Thabit,J.M.,(2017), Comparison between four electrode arrays in delineating sedimentary layers of alluvial fan deposits in eastern Iraq using a 2D imaging technique. Environmental Earth Sciences 76(15), DOI: 10.1007/s12665-017-6853-9.	2017
42	AL-Menshed F. H. and Thabit, J.M., (2018), Comparison between VES and 2D imaging techniques for delineating subsurface plume of hydrocarbon contaminated water southeast of Karbala City, Iraq. Arabian journal of Geosciences 11(7), DOI: 10.1007/s12517-018-3479-5.	2018
43	Ahmed Abdulameer, Jassim M. Thabit , Firas H. AL-Menshed and Broder Merkel (2018), Investigation of seawater intrusion in the Dibdibba Aquifer using 2D resistivity imaging in the area between Al-Zubair and Umm Qasr, southern Iraq. Environmental Earth Sciences 77(17), 10.1007/s12665-018-7798-3.	2018
44	Thabit, J.M., Al-Yasi, A. I. and Al-Shemmari, A. N.,(2014), Predicting aquifer characteristics to enhance hydrogeophysical model in fractured/karstified rocks of Damman Formation at Bahr Al-Najaf Basin, Iraq. Environmental Earth Sciences 77(19), DOI: 10.1007/s12665-018-7858-8	2018

■ **Ninth, Membership:**

- **Member in Editorial Board -Journal of Water Resources - Ministry of Irrigation - Baghdad**

Tenth, Awards and Certificates of Appreciation:

No.	Name of Awards and Certificates	Donor	Year
1	More than 30 (thanks and Appreciation)	Ministry of Higher Education and Scientific research, Dept. of Geology - Univ. of Mosul and Baghdad	1985-2016
2	More than 10 (Certificates of Appreciation)	Ministry of Higher Education and Scientific research, Dept. of Geology - Univ. of Mosul and Baghdad	1985-2016

■ Eleventh, Scientific literature:

No.	Scientific Literature Title	Year of The Publication
1	Electrical methods	1989
2	Resistivity methods	2010
3	-	-

■ Twelfth, languages:

- ✓ Arabic
- ✓ English

