

Curriculum Vitae (CV)



Personal information:

Name: Salih Muhammad Awadh

Date of birth: 1964

Place of birth: Iraq

Nationality: Iraqi

Address: Iraq – Baghdad – Al-Jaderiya – Baghdad University Post
Office – P.O. Box: 47182.

E- mail: salihauad2000@yahoo.com

Mobile: 009647901214030

Languages Spoken: Arabic, English, and polish (fair)

Education:

B. Sc. General Geology from Baghdad University (1985-1986)

M. Sc. Geochemistry from Baghdad University (1992)

Thesis Title: Petrography and Geochemistry of the Shalair Metamorphic Rock Group,
Shalair Valley Area, Northeastern Iraq.

Ph.D. Geochemistry and Economic Geology from Baghdad University (2006).

Thesis Title: Mineralogy, Geochemistry and Origin of the Zinc-Lead-Barite Deposits
from selected areas from north of Zakho Northern Iraq.

Post doctoral: University of Warsaw-Poland 2014.

Affiliation: Geology Dept, College of Science, University of Baghdad

Academic title: Assist. Professor Dr.

Specialization: Geochemistry and Economic Geology.

2008: Member of Iraqi Academic Team of UNESCO- Iraq Project on Training of
Trainers in Environmental Education. United Kingdom (UK). Wales,
Bangor University.

Journal participations:

- Editorial board member of Frontiers in Geosciences (FG), Editor-in-Chief: Dr. Raja Rizwan Hussain, King Saud University, Riyadh, Saudi Arabia, ISSN: TBD (Print), ISSN: TBD (Online).
<http://www.vkingpub.com/journal/fg/editorialBoard.aspx>. American V-King Scientific Publishing.

- Editorial board member of **International Journal of Earth Sciences and Engineering ISSN 0974-5904**, Elsevier indexing, Published by CAFET-INNOVA Technical Society Hyderabad, INDIA www.cafetinnova.org
- Editorial board member of **Journal of Petroleum and Gas Exploration Research (JPGER)**, ISSN:2276-6510 www.interestjournals.org/JPGER, since 1st August, 2012
- Associate Editor of **the International Research Journal of Geology and Mining (IRJGM)**. (ISSN:2276-6618). www.interestjournals.org/IRJGM
- Regional Editorial Board of **Research Journal of Environmental and Earth Sciences (RJEES)**. Maxwell Scientific Organization. Print ISSN 2041-0484, online ISSN 2041-0492.
- Editorial board member of **International of Water Resources and Environmental Engineering (IJWREE)**, Academic Journal, Open Access Journal.
- Editorial board Member of **Geosciences Journal**, Scientific and academic publishing. p-ISSN: 2163-1697. e-ISSN: 2163-1719. Website: <http://journal.sapub.org/geo>.
- Editorial board Member of **Journal of Environmental Research and Management (EJERM)**. E3 Journals 2011. www.e3journals.org/JERM/editors.html

Memberships:

- Member of Polish Mineralogical Association (Polskeigo Towarzystwa Mineralogicznego) since Feb. **2014**.
- Member of International Association of Geochemistry (IAGC), membership number is 11193. **2012**.
- Member of Iraqi Geological Society (IGS) science **1992**.

Academic Experience:

(2001 to now): Assist. Prof. Dr. as an academic member of teaching staff at Geology Department, College of Science, University of Baghdad- Iraq.

Courses:

- 1- Course of advanced geochemistry for Ph.D. students.
- 2- Course of geochemistry of sediments for M. Sc. Students.
- 3- Course of environmental pollution for M. Sc. Students.
- 4- Course of geochemical exploration for M. Sc. Students.
- 5- Practical course of ore minerals for the Master students – Geology Dept.
- 6- Practical course of carbonate rocks for the Master student– Geology Dept.
- 7- Seminar course for the Master student– Geology Dept.
- 8- Course of organic and non-organic Hydro-geogeochemistry of oilfield water for M Sc students.
- 9- Course of Environmental Pollution for the undergraduate students (4th year- Geology Dept.).
- 10- Course of Geochemistry for the undergraduate students (4th class- Geology Dept.).
- 11- Practical course of Ore Geology and Industrial Rocks to the undergraduate students (4th year- Earth Science Dept.) and Master and Ph.D students – Geology Dept.
- 12- Theoretical course of ore geology and industrial rocks for under graduated students.

- (1997-2001): Contractor with the Higher Education and Scientific Research Ministry in the Great Republic of Libya.
- (1996-1997): Contractor with administration of Science College at the drug and chemical materials project, and External lecturer in the Geology Dept. - Science College – Baghdad University.

Industrial Experience:

- (1994-1996): Head of the Geological Studies Department and Laboratory at the Ministry of industry – General Establishment of Phosphate – Akkashat Mine - Western Desert of Iraq.
- (1992-1994): Manager of production in the Magnesium Oxide Project - Ministry of Industry - Iraq.

Publications:

1. Tola, M, Awadh S.M., 2014: Iron mineralization of Garagu Formation: Geochemistry, mineralogy and origin, Gara Mountain, Duhok Governorate, Kurdistan, N Iraq
2. Awadh, S, M and Al-Kilabi J.E.H., 2014: Assessment of Groundwater Quality Using Water Quality Index (WQI) in Al-Hawija Area, Northern Iraq. ***Submitted to Water Resources Journal.***

3. Salman Z. Khalaf, Ali T. Yassin, Salih M Awadh and Rafaa Z. Jassim, 2014: Mineralogical Characteristics of the Ellicott Meteorite Using Scanning Electron Microscopy and Energy Disperse Spectroscopy (SEM–EDS) (*accepted Arab J Geosc*).
4. Awadh, S. M., 2013: Organic geochemistry of the bitumen seepage in Heet area, West of Iraq. Submitted to **Journal of petroleum Geology**.
5. Al-Rawi F, Al-Ameri Th. Awadh S. M., 2014: Petroleum geochemistry of oil sample from shallow borehole at Sakran site, western Iraq. (*Arab J Geosci*, 7:545-558. DOI 10.1007/s12517-012-0813-1.
6. Awadh, S. M., 2014: Stable carbon and nitrogen isotopes and elemental composition and origin the organic matter from the Euphrates, Injana and Dibdibba formations in Iraq: discrimination between marine and terrestrial environments. *Geological Quarterly Journal*, 2014, **58** (4): 000–000, DOI: <http://dx.doi.org/10.7306/gq.1174>.
7. Awadh, S. M and Al-Kilabi, Ayfan J.H., 2014: Assessment of groundwater in Al-Hawija (Kirkuk Governorate) for irrigation purposes. *Iraqi Journal of Science*, **V. 55, No. 2B**, pp: 760-767.
8. Awadh, S. M., Al-Yaseri, A. and Hussein , A.R., 2013: The influence of kaolinite migration and pH on permeability in the Zubair reservoir in the North Rumaila Oilfield, southern Iraq. *Iraqi Journal of Science*, **Vol 55, no. 2B**, pp: 780-789.
9. Ali, K.K., Awadh S. M. and Al-Auweidy, M. R., 2014: Assessment of natural radioactivity of marl as raw material for Portland cement at Kufa cement quarry in Najaf Governorate. *Iraqi Journal of Science*, **v55, No. 2A**, pp: 454-462.
10. Awadh S.M and Towfik S. M., 2013: Sorption Mechanism and Capacity Evaluation of Palygorskite from Iraq to Remove Pb from Aqueous Solution. *J Geol Geosci* 2: 126. doi: 10.4172/2329-6755.1000126.
11. Awadh S.M. and Muslim R. E., 2014: The formation model of gypsum barrier, chemical temporal changes, and assessment the water quality of Sawa Lake, southern Iraq. *Iraqi journal of Science*, **Vol 55, no1**, pp: 161-173.
12. Awadh S.M., 2013: Cd, Ni, and Pb distribution and pollution assessment in roadside dust from Baghdad City and Western Iraqi Desert. *Arab J Geosci*, DOI 10.1007/s12517-013-1204-y

13. Awadh S.M., 2013: Assessment the potential pollution of cadmium, nickel and lead in the roadside soil in the Karkh district of Baghdad and along the highway between Ramadi and Rutba, west of Iraq. *Merit Research Journal of Environmental Science and Toxicology*, Vol. 1(7) pp. 126-135.
14. Awadh S.M. and Abdul Al-Ghani, S. 2013: Assessment of sulfate springs water in the west of Iraq for balneo-therapeutic, drinking, irrigation and aquatic purposes, *Environmental geochemistry and Health*, Springer- 36:359–373, 10.1007/s10653-013-9555-6.
15. Al-Dabbas, M. Awadh, S. M., and Zaid A.A., 2014: Facies analysis and geochemistry of the Euphrates Formation in Middle of Iraq. *Arab J Geosci* (2014) 7:1799–1810. DOI 10.1007/s12517-013-0932-3.
16. Awadh S. M., Ali, K. K., and Alazzawi, A. T., 2013; Geochemical exploration using surveys of spring water, hydrocarbon and gas seepage, and geobotany for determining the surface extension of Abu-Jir Fault Zone in Iraq: A new way for determining geometrical shapes of computational simulation models. (*Journal of Geochemical Exploration*, Elsevier, 124 (2013) 218–229.
17. Habib R. H., Awadh S. M. and Muslim M.Z.,2012: Toxic heavy metals in soil and some plants in Baghdad, Iraq. *Journal of Al-Nahrain University*. Vol.15 (2), June, pp 1-16.
18. Awadh S. M. and Ahmed R. M, 2012: Hydrochemistry and pollution probability of selected sites along the Euphrates River, Western Iraq. DOI: Accepted Feb, 2012 in *Arabian Journal of Geosciences*, 6:2501–2518, DOI 10.1007/s12517-012-0538-1.
19. Awadh S.M. Aboud, Z.S. and Eisa, M.J., 2012: Chemical and physical control processes on the development of caves in the Injan Formation, Central Iraq, Springer,(*Arab J Geosci*, 6:3765–3772. DOI 10.1007/s12517-012-0637-z.
20. Awadh S.M. 2012: Geochemistry and mineralogical composition of the airborne particles of sand dunes and dust storms settled in Iraq and their environmental impact, *Environ Earth Sci* 66 (8):2247-2256).
21. Al-Dabbas, M. Awadh, S. M., and Zaid A.A.,2013: Mineralogy, Geochemistry and Reserve Estimation of the Euphrates Limestone for Portland Cement Industry at Al-Najaf Area, South Iraq. (*Arab J Geosci*. (6):491-503, DOI 10.1007/s12517-011-0370-z
22. Kamal K. K., Awadh S. M. and Jassim M. Hemad, J. M., 2011: Ground Radiometric Method as a Tool for Determining the Subsurface Boundary of Buried Bauxitic Karsts, *QSU Journal for Science*. 16: 37-47.

23. Awadh S. M., 2010: Geochemistry of termite hill as a tool for geochemical exploration of glass sand in the Iraqi Western Desert. *International Journal of geosciences*, Vol.1, 130-138. IF=0.26.
24. Awadh S. M., Mayson U. A. and Rana A. A. (2011): Mineralogy and Palyonlogy of the Mesopotamian plain sediments, Central Iraq. *Springer. Arab J Geosci (2011) 4:1261–1271*.
25. Awadh S. M., and M, R. Luma, 2012: Climatic prediction of the terrestrial and coastal areas, Iraq. *Springer, Arab. J. Geosci., 5:465–469. DOI 10.1007/s12517-010-0257-4*.
26. Awadh S. M, Thamir K. Al-Ameri, Sahar Y. Jassim and Mehmet S. Bayraktutan, 2010: Fluid inclusions used to assess oil migration in Duhok, North Iraq. *Positioning, Scientefic Reserch, 2010, 2, 42-49*.
27. Ayad A. Al- Halem and Awadh S. M., 2009: *Chemical characterization and environmental pollution of drilling waste on-site disposal in some Iraqi oilfields (Proceeding of the 3rdScientific conference. Iraqi Journal of Science, Pp 1866-1871)*.
28. Awadh S. M. and Hamed Hassan Abdulla, (2011): *Mineralogical, geochemical and geotechnical evaluation of Al-Swera soil used for the bricks industry in Iraq. . Springer, Arabian Journal of Geosciences Vol. 4: 413-419*.
29. Ayad A. Al-Haleem and Awadh, S. M., 2011: *Salinity evaluation of on-site drilling wastes at Bi-Hassan oilfield, north Iraq. Journal of Babylon University. (vol.9, no.2:581-589)*.
30. Awadh, S. M., 2009: Atmospheric pollution in Baghdad city, Iraq (*Proceeding of 3rd scientific conference of College of Science, University of Baghdad. Iraqi Journal of Science, Pp. 1727-1740*).
31. Awadh S. M; 2009: *Iron Content Variations in Sphalerite and Their Effects on Reflectance and Internal Reflections under Reflected Light. Arab. J. Geosci. (AJGS), Springer, vol. 2, pp.139-142*.
32. Awadh, S. M., Habib R, H. and Al-Bassam,K.S. (2008) *Mineralogy, Geochemistry and origin of zinc – lead – barite deposits in Northern Thrust Zone, Northern Iraq. Iraqi Journal of Sciences. Vol.49, No.2, pp. 124-136*.
33. Awadh S. M. Habib R.H. and Al-Bassam K. S., 2008: *Upper Cretaceous carbonate hosted zinc-lead-barite deposits in Northern Thrust Zone, Northern Iraq;*

Petrography and geochemistry. Arab. J. of geosci. (AJGS), Springer; vol. 1; no.1, July, pp.75-85.

34. Awadh, S. M., Habib R, H. and Al-Bassam, K. ,2008: *Geneses of the zinc-lead – barite deposits in the Northern Iraq: ore mineralogy, geochemistry, fluid inclusions, lead isotopes and sulfur isotopes implicatiuons. Dirasat, An International Refereed Research Journal. Vol.35, no.2. pp 96-110.*
35. Awadh S. M. and Kettanah Y. 2008: *Petrology, geochemistry and tectonic environment of the Shalair Metamorphhic Rock Group and Kater Rash Volcanic Group, Shalair Valley area, Northeastern Iraq. Iraqi Journal of Science. Vol.49, No.1, pp.135-146.*
36. AL-Dulaimi A.S. and Awadh S. M. 2007: *Geochemical and paleontological study of Gulneri Formation (Upper Cretaceous) NE Iraq. Al-Anbar University Journal for pure sciences. ISSN: 1991-8941. Vol.1, No. 3, pp 64-74.*
37. Awadh, S. M. 2004: *Cluster and factor analyses R and Q mode technique of geochemical and petrological data of the Shalair Metamorphic Rock Group, Shalair Valley area, Northeastern Iraq. Iraqi J. Sci. Vol.45C, No.1, pp 1-19.*
38. Awadh, S. M. 1999: *A new proposal method for sampling and explosion of the phosphatic rocks in the Akkashat Mine, Western desert, Iraq. Iraqi J. Sci., Vol. 40C, No.4, pp.1-20.*
39. Awadh, S. M. 2006: *Biogeochemistry of arsenic in the water system. The Electronic Water Journal.* (Online available).
40. Awadh, S. M. 2006: *Mercury and their compounds in the aques system (short assay) The Electronic Water Journal.* (Online available).
41. Awadh, S. M. (2006): *The environmental pollution by Radon gas and lung cancer. Journal of Environment and Life. Ministry of Environment. No.11, Dec., p.26-27.(Short article).*

Awards:

-Publishing in the International Scientific Journals of impact factor, award introduced by the Minster of the Higher Education and Scientific Research- Iraq, 2012.

-The best editor for the best book- award introduced by the Minster of the Higher Education and Scientific Research- Iraq, 2013

Thesis discussed:

1. The environmental and hydrogeological changes resulting from the operation and using of Iraq's Main Drain (Third River Project). University of Basra. **Inass Abd Al-Raza Al-Malah**, supervised by Adel Al-Badran and Qusay Al-Suhail. **25-12-2014.**
2. Hydrogeological and hydrochemistry study of Al-rahaliya- Al-Ekhedher area, M Sc thesis. University of Baghdad, Supervised Mutaz AlDabbas, submitted by **Shadad Adel Fadhel**, discussed in **1-10-2014.**
3. Petroleum system analysis and reservoir development of Addaimah oil field, Messan Governorate, South of Iraq, M Sc thesis. University of Baghdad. **Heba Sadoon Muhsin Almimar**, supervised by Thamer Al-Ameri, discussed **7-9-2014.**
4. Sedimentological, geochemical and hydrological study of clastic and organic sediments in south Iraq-North and northwestern Arabian Gulf. **Mhannad Hamed Al-Jaberi**, Discussed **18-12-2013.** Supervised by Prof Al-Dabbas.
5. *The study of physical and chemical properties of gypcrete deposits in Basrah governorate southern Iraq and improvements their properties for plaster industry.* **Ajel Swain Alhadadi**. University of Basra, supervisor **Dr. Sattar J Al-Khafaji**, Discussed in **28-10-2013.**
6. *Content and relations between the major and rare earth elemnnts in Tigris River in dissolved and suspended forms.* University of Musol. **Hazim Jumaa Mahmood**. Supervisor **Dr Hisham Yahya Dhannoun**, discussed in **13-10-2013.**
7. *Geochemistry of water and sediments of Dokan lake and Lesser Zab River, Kurdistan Region, NE Iraq.* **Awaz Kareem Rasul**, Ph.D., University of Salahaddin. Supervised by **yawooz A. kettanah and Ayser M Al-Shamaa**, **discussed in 16-7-2013.**
8. *Geochemistry and mineralogy of clay units in the Injana Formation, Khanwaq area, Sala Adin governorate.* **Esraa Salman**, M Sc thesis, Geology Department, College of Science, University of Basra. **27-3-2012.** Supervised by Dr **Sattar Jabar**.
9. *Assessment of the heavy metals in the sediments of the Euphrates River in Al-Anbar province.* **Ahmed Subhi Al-Rawi**, M Sc thesis, Chemistry Dept. University of Al-Anbar. **5-12-2012.** Supervised by Tahseen A. Zaidan and Emad M. Salih Al-Heety.

10. *Total petroleum system for the western basin of southern Iraq.* **Rasha Fauzy Faysal**. Ph. D. Thesis, Petroleum Geology, University of Baghdad. **22-10-2012**. Supervised by Al-Ameri Thamer Kh.
11. *Petrology, Geochemistry and petrogenesis of amphibolites rock from the Penjween Area, NE Iraq.* **Dalia Kameran Hasan**. M Sc Thesis, University of Baghdad. **18-10-2012**. Supervised by Ayten H.
12. *Hydrological study of the lower part of Wadi Al-Khur basin, SW Iraq.* **Ali Hussain Ali**. M Sc Thesis, , University of Baghdad. **8-10-2012**. Supervised by Al-Shammaa Ayser.
13. *Environmental study of Dalmaj Marsh area, Wasit governorate, Iraq.* **Wassan Muhammad Jassim Al-Zerraj**. M Sc thesis, University of Baghdad. **3-7-2012**. Supervised Al-Dabbas M.
14. *Relationship between surface and shallow groundwater in the eastern side of Shatt Al-Hilla, Iraq,* **Arshad Wahab Abdul Rheem Al-Anzy**. M Sc thesis, University of Baghdad.**30-4-2012**. supervised **Al-Jabari Muqdad Hussain Ali**.
15. *Mineralogy and geochemistry of Muqdadiya Sandstone in eslected areas of Mesan, NE Iraq,* **Jassim Jabar, Al-Samaani**, M Sc thesis, University of Basrah. **19-11-2011**, Supervised by **Sattar J R**.
16. *Petrochemistry and petrogenesis of basic rocks of Mawat Ophiolite Complex, NE Iraq.* **Emad Khadhim Abdulzahra Alsaffi**. M.Sc thesis, University of Baghdad, **17-11-2008**. Supervised by Ayten H
17. *Determination of heavy metals (Pb,Cd,Ni) and Uranium concentration in selected soil at Baghdad city.* M.Sc. in physics by **Adawia Mohsen Alwan**. College of science for women, University of Baghdad. **4-6-2009**. Supervised by Reyadh Al-Ubaidi.
18. *Mineralogy and geochemistry of the iron ore deposits in Asnawa aeea, NE Iraq.* *pH.D, by* **Maysaa Ali Abed Awn**. Thesis in Geochemistry, College of science, University of Baghdad. **31-3-2011**. Supervised by Habib R H.

Thesis reviewed scientifically:

- Study of pollution groundwater in the southwest of Baghdad using the geography information system (GIS) supervised by Dr. Mustafa Ali Hassan.
- Water resources evaluation in Alton Kopri Basin NE Kirkuk, pH.D., Mazin Abd Al-Adheem Al-Abadi, 3-11-2013, supervision by Prof Dr Ayser Al-Shammaa.

-Evaluation of fire clay as binding materials for manufacturing fire brick. Department of Physics, M Sc. 19-9-2013. Supervisor, Dr Harith.

توصيف اطيان عراقية كمادة رابطة لصناعة الطابوق الناري

-Petrography, facies analysis and provenance of Khabour Formation Northern Iraq, Muhammad Fakhry Umer. Ph D Thesis, March, 2012. Supervised by Thamer Al-Shamary.

-Mineralogy and Geochemistry of Sargelo Formation (middle Jurassic), Sulaimaniya Governorate, NE Iraq. Hayder Faleh Ahmed. M. Sc. Thesis, Aug. 2012, supervised by Ahmed Al-Shakeri.

Patent reviewed:

-Designing and testing of geomembrain for lining of hazardous-waste dumping sites using Iraqi bentonite and porcellanite. 1-2-2011. (Al-Bassam).

- Manufacturing thick-meter device. Al-Rawi, D.Y; 9-2013.

Book Editing:

Elawi M. N. and **Awadh S. M.** 2011: Essential in Geology, University of Baghdad, College of science, Earth Science Department, Baghdad, Iraq. 470p.

Arbitration Scientific Promotion to Assistant Professor:

-University of Al-Nahrain

-University of Baghdad- Ibn-Al-Haitham College

-University of Thi Qar, College of Science

-University of Mosul- College of Science, Dept. of Geology

Thesis (M. Sc. & Ph. D.) under my supervision:

1-Al-Ubaidi, Sufuq Asi, 2012: Geochemical Exploration of Radioactive and Transition Elements in Oligocene-Miocene Exposures and Recent Soil Between Al-Qaim and Ramadi, West of Iraq. (Still under supervision).

- 2- Jawdat Abdul Jalil Muhammad Zaki: Urban environmental geochemistry of trace metals and its effect on groundwater quality in Kirkuk, Iraq, Ph.D., 18-12-2013(Still under supervision).
- 3-Harith Ismael Al-Jubori, 2013: Mineralogy, geochemistry and sorption efficiency assessment of bentonite in removal of heavy metals from solutions. (Still under supervision).
- 4- Al-Heeti Ayad Yousif, 2013: Mineralogy, geochemistry and sorption capacity evaluation of kaolinite in removal of heavy metals from solutions. (Still under supervision).
- 5-Ayad abed Zaid; Petrography, chemical characterization and reserve estimation of the limestone Euphrates formation as a raw material for cement industry. (M.Sc.), 2010. Graduated Very good.
- 6-Rasol Mohamd Ahmed; Hydrogeochemistry of Euphrates river from Hit to Al-saqlawia in Al-Anbar govrenment, western Iraq (M.Sc. thesis), 2011. Graduated Very good.
- 7-Zena Saleem: Mineralogy, Geochemistry and provenance of Dibdibba Formation in the south and middle Iraq. (M. Sc. thesis). Discussed 1-7-2012. (Graduated Excellent).
- 8-Sura Abd Al-Ghani, 2013; Balneology and mud-therapy of the sulfate spring water along Abu-Jir Fault Zone, (M Sc thesis), discussed in 23-1-2013. (Graduated Excellent).
- 9-Ruaa Essa Muslim, 2013; Hydrogeochemistry of Sawa Lake, West Iraq. (M Sc thesis), discussed in 9-6-2013. (Graduated Excellent).
- 10-Saad M. T. 2013; Mineralogy, geochemistry and sorption efficiency of palygorskite in Digma and Akashat Formatios, western Iraq. (ph. D). Discussed in 28-7-2013. (Graduated Excellent).
- 11-Linaz Anis Fadhil. (2013): Petrographic, mineralogical and geochemical evaluation of some Formations in the Western Desert of Iraq for industry purposes, (Ph.D). Discussed in 7-11-2013. (Graduated Excellent).
- 12-Muhanad Rasem, 2013: Qualitative, quantitative and radiological Assessment of marl layer in the Euphrates Formation for Portland cement industry in Kufa cement quarry at Al-Najaf governorate. Discussed in 23-10-2013. (Graduated Excellent).

13-Ali Ramthan. 2013: Hydrogeochemistry of oilfield water and formation damage of Zubair Reservoir in West Qurna Field - Southern Iraq. M Sc., (Discussed in 17-12-2013). (Graduated Excellent).

14-Joda Efan, 2012: Hydrogeochemistry of groundwater and the probable effect of Kirkuk irrigation project on its quality in Al-Hawija area, Iraq M. Sc., (Discussed in 26-12-2013), (Graduated Excellent).

Supervision of dissertation of under graduated students:

I have supervised many graduation project (B Sc) such as below:

1. Sura Abd Al-Qani (2010): Hydrogeochemistry of spring waters extended from Haqlaniya to Hit in Iraq (2009-2019).
2. Samer Shaker Salman, Geochemistry, mineralogy and genesis of iron ore in the Western Desert and north of Iraq (2010-2011).
3. Sura Thamer Sabeeh, Distribution and geochemistry of palygorskite and bentonite in Iraq. (2010-2011).
4. Shahed Ahmed Abd Al_Fatah, Mineralogy and geochemistry of claystone-rich sediments in Gaara and Hyssayniyat Formation. (2010-2011).
5. Neaam Umer Farhan ,2012: The probable contamination by Ni and Cd of Baghdad soil near the fuel stations, 2011-2012.
6. Saif Safaa: Investment of Sabkha for manufacturing of detergents and disinfectants, a study in industrial and environmental geochemistry ((2012-2013).

Conferences and Symposiums:

1. Symposium of climatic changes and its environmental impacts. Univesity of Baghdad, College of Science. The Environmental Center. 23,9-2013.
2. The international conference Leadership, Education Innovation, 15-16 may, 2014, Fulbright Commission-Warsaw University, Poland. Attendance.
3. Workshop of Education and Innovation, Fulbright Commission-Warsaw University, Poland. Attendance.
4. -Recent Contribution to the Geology of Iraq, Iraq Geological Survey, 15-16/12/2013. Chairman of the Geochemistry session.

5. -The Second International Conference of the Iraqi oil Studies. University of Baghdad, College of Science, Earth Science Dept. 10-12-2-13 to 12-12-2013.
6. -The symposium of Earthquake. Department of Geology, University of Baghdad. Dec-2013.
7. -The 1st Scientific Conference of Engineering problems in the Baghdad soil and its treatment. **13-14 March, 2013.** University of Baghdad, College of Science, Earth Science Dept. (Member of organization committee) **(postponed)**
8. The Scientific Symposium of recycling the solid wastes in Iraq. The University of Technology and College of Science-University of Al-Anbar, 20-03-2013.
9. - The 2nd Scientific Conference of Center of Desert studies University of Anber. **24-26- December – 2012.**
10. - The 2nd Scientific Conference of Pure Science, College of Science, University of Anber. 20-22/11/2012.
11. -The Sixth Scientific Conference of College of Science, Babylon University, **6-7/ 2-12.**
12. -The 1st Scientific Conference of Dust Storm and its Environment Effects: The Causes and Treatments. **17-18/ 10/2012.** University of Baghdad, College of Science, Earth Science Dept.
13. -The First EAGA Workshop on Iraq, Hydrocarbon exploration and field development (European Association Geoscientists and Engineers. **29 April- 2 May 2012,** Istanbul- Turkey, (Abstract sent and accepted)
14. The Second Geological Conference (Our Natural Resources as a Base for the Development of the Society). University of Mosul, College of Science, Dept of Geology, **26-26, April, 2012.**
15. Hydrocarbon Exploration Development-Turkey, Istanbul. First EAGE workshop, 29 April – 2 May, Poster paper
16. Sustainable Development and the Future of Our Water Resources. University of Al-Anbar, Center of Desert Studies, **18-19-April-2012.**

17. -The Fifth National Conference on Environment and Natural Resources, 24-26 Jan, 2012: University of Basrah, College of Science.(presentation of Dust storm paper)
18. -Organizer committee of The International conference on Iraqi Oil studies 20-22, Dec, **2011**. University of Baghdad, College of Science, Earth Sciences Department. (5 papers presented).
19. -18th International Petroleum and Natural Gas Congress and Exhibition of Turkey (IPETGAS,2009). May, 13-15, **2011**.
20. -Organizer committee of First symposium of Archiogeology 23-24, Mach, **2011**. University of Baghdad, College of Science, Earth Sciences Department.
21. -Water symposium. The Center of Desert Studies, University of Al-Anbar, 22-23, March, **2011**.
22. -Symposium of the Mining geology, 5-6 May, 2010. University of Baghdad, College of Science, Earth Sciences Department.
23. -1st Petroleum Geology of Iraq Symposium. University of Baghdad, College of Science, Earth Sciences Dept. 21-22 April, **2010**.
24. -The 1st Scientific Conference for Pure Sciences, 16-17, **2009**. University of Al-Anbar, College of Science. Iraq.
25. -17th International Petroleum and Natural Gas Congress and Exhibition of Turkey (IPETGAS,2009). May, 13-15, **2009**.
26. -The 8th International Conference of Jordanian Geologists Association. 6-7 April, **2004**.
27. -The 3rd Scientific Conference of College of Science, University of Baghdad. 24-26 March, **2009**
28. -The 33rd International Geological Congress- Oslo, (Narway), **6-14 Aug. 2008**.
29. -The 6th International Conference on Eastern Meditranian Geology and the 9th International Conference of Jordanian Geologists Association. **2-5 April, 2007**.

30. -The 1st Scientific Conference for Center of Desert Studies, **22-24, 2009**.
University of Al-Anbar, Iraq.

31. -The 6th International Conference on Geochemistry (ICG). Alexandria,
University, Egypt. 16-16 Sep., **2004**. (Abstract sent and accepted).