

## **C.V. of Prof. Dr. Sabbar Abdullah Saleh**

**Tikrit University, College of Science, Department of Applied Geology**

### **1. Personal Information**

Surname: Al-Qaisy

Name: **Sabbar Abdullah Saleh**

Place of birth: Baiji – Salahiddin

Date of Birth: 1-7-1965

Marital Status: married

Number of Children: 5

Iraq-Tikrit-Al-Qadisiyyah-University Village

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### **2. Academic Information**

- B.Sc. In Geology, University of Salahiddin, College of Science, Department of Geology, 1987.
- M.Sc. in Hydrology University of Baghdad, College of Science, Department of Geology, 1992.
- M.Sc. Thesis “Hydrogeological Conditions of Ajil Sub-Basin North of Iraq.”
- Ph.D. in geology/ hydrogeology, University of Baghdad, College of Science, Department of Geology, 2001
- Ph.D. Thesis ”Evaluation of the problem of cavities and weak zones below the industrial establishments in Baiji area- Iraq
- Professor in Hydrogeology, Department of Applied Geology, Sciences College of Science, University of Tikrit, 2008-2018.

### **3. Occupations**

- 1- Head Researcher in remote sensing research unit, College of Science/ University of Tikrit. 2005-2009.
- 2- Assist. Lecturer - Department of Civil Engineering / College of Engineering/ University of Tikrit. 1993-1996.

- 3- Lecturer - Department of Civil Engineering / College of Engineering /University of Tikrit. 1996 - 1999.
- 4- Assist. Professor - Department of Computer Sciences, College of Science / University of Tikrit. 1999-2003.
- 5- Assist. Professor -Department of Applied Geology Sciences College of Science University of Tikrit 2002-2007
- 6- Professor -Department of Applied Geology Sciences College of Science University of Tikrit 2008-
- 7- The head manager of computer center/ University of Tikrit 1994-1999.
- 8- The head manager of printing house/ University of Tikrit 2002-2003.
- 9- Dean assistant- College of Science- University of Tikrit, 2003.
- 10- Secretary Editor, Tikrit Journal of Pure Science, University of Tikrit, 2002- 2009.
- 11- The head manager of computer and information center/ University of Tikrit 2006.
- 12- Dean assistant- College of Science- University of Tikrit, 2007.
- 13- The head manager of remote sensing research unit / University of Tikrit 2007-2008.
- 14- The head manager of computer and information center / University of Tikrit 2008.
- 15- The head manager of Natural Resources Research Center / University of Tikrit 2009-2011.
- 16- The head manager of remote sensing department/ Natural Resources Research Center / University of Tikrit 2014.
- 17- Editor in Chief of Tikrit Journal for Pure Science, University of Tikrit, 2011-2018.

#### **4.Consultations**

- 1- Consultant of salahaddin Governorate.
- 2- Consultant of Baiji Refineries Company.
- 3- Consultant of Northern Fertilizers Company.
- 4- Consultant of Baiji Power Plant.
- 5- Consultant of the Iraqi Company of Railway lines.
- 6- Member of discussions committees for M.Sc. and Ph.D., in Iraqi Universities.
- 7- Consultant of groundwater wells drilling company.
- 8- Consultant of general company of geological survey and mining.
- 9- Consultant of Al-Izz Company, Ministry of Industry.
- 10- Consultant of Department of Planning, Governorate of Salahaddin
- 11- Consultant of Ministry of Electricity.

- 12- Consultant of the department of Science and Technology in Salahaddin
- 13- Consultant of the department of water resources in Salahaddin
- 14- Consultant of the department of Environment in Salahaddin
- 15- Consultant of the department of GIS in Salahaddin
- 16- Chairman of field training committee for 4<sup>th</sup> class of undergraduate, department of applied geology, college of science, university of Tikrit, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2014, 2015, 2016, 2017, 2018.

### **5. Professional Affiliations:**

- 1- Member, Iraqi Geological Union, 1992, Iraq.
- 2- Member, Scientific union of water resources, 1993, Iraq.
- 3- Member of preparation committee of 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> of Al- Quds International conferences, University of Tikrit.
- 4- Member of the committee to development of Laboratories in the ministry of Higher Education, 2001-2003.
- 5- More than 90 Scientific Committee in University of Tikrit, and other Universities.
- 6- Evaluation of 30 Ph.D. and M.Sc. Thesis, for graduated Student in University of Tikrit and other Universities.
- 7- Evaluation of more than 150 researches for publishing in Iraqi Scientific Journals.
- 8- Supervisor of 40 B. Sc., M. Sc. and Ph. D. Students.
- 9- Member of preparation committee of 1<sup>st</sup> Scientific Symposium, department of Geology, college of science, University of Tikrit, 2004.
- 10- Member of preparation committee of 2<sup>nd</sup> Scientific Symposium, college of science, department of Geology, University of Tikrit, 2005.
- 11- Chairman of preparation committee of 1<sup>st</sup> Scientific Symposium, remote sensing Unit, college of science, University of Tikrit, 2006.
- 12- Member of preparation committee of 3<sup>rd</sup> Scientific Symposium, department of Geology, college of science, University of Tikrit, 2006.
- 13- Chairman of preparation committees of 2<sup>st</sup> Scientific Symposium, remote sensing Unit, college of science, University of Tikrit, 2007.
- 14- Chairman of preparation committee of 4<sup>th</sup> Scientific Symposium, department of Geology, college of science, University of Tikrit, 2007.

- 15- Chairman of preparation committee of 3<sup>rd</sup> Scientific Symposium, remote sensing Unit, college of science, University of Tikrit, 2008.
- 16- Chairman of preparation committee of 5<sup>th</sup> Scientific Symposium, department of Geology, college of science, University of Tikrit, 2008.
- 17- Member of preparation committee of construction Symposiums of University of Tikrit, 14 April, 2009.
- 18- Chairman of preparation committee of 4<sup>th</sup> Scientific Symposium, remote sensing Unit, college of science, University of Tikrit, 2009.
- 19- Chairman of preparation committee of 6<sup>th</sup> Scientific Symposium, department of Geology, college of science, University of Tikrit, 2009.
- 20- Member of preparation committee of 1<sup>st</sup> Scientific conference, college of science, University of Tikrit, 29 Sep. 2009.
- 21- Head of administration board of natural resources research center, University of Tikrit, 2009
- 22- Chairman of preparation committee of 1<sup>st</sup> Scientific Symposium, natural resources research center, college University of Tikrit, 2009.
- 23- Member of preparation committee of 2<sup>nd</sup> Scientific Symposium, natural resources research center, college University of Tikrit, 2010.
- 24- Chairman of preparation committee of 7<sup>th</sup> Scientific Symposium, department of Geology, college of science, University of Tikrit, 2010.
- 25- Chairman of preparation committee of 8<sup>th</sup> Scientific Symposium, department of Geology, college of science, University of Tikrit, 2011.
- 26- Chairman of preparation committee of 3<sup>rd</sup> Scientific Symposium, natural resources research center, College University of Tikrit, 2011.
- 27- General secretary of Editorial Board of Tikrit Journal for Pure Science, University Of Tikrit, 2001-2011
- 28- Member of consultation board of scientific Journal, University of Kirkuk, 2009-
- 29- Member of consultation board of Journal of Groundwater, Ministry of Water Resources, 2010-2018
- 30- Member of Scientific Committee of the International Congress Geotunis, Tunis, 26<sup>th</sup> to 30<sup>th</sup> March, 2012
- 31- Member of national committee of Biological diversity in Iraq, Ministry of Higher education and scientific research, 2012.

- 32- Member of preparation committee of 2<sup>nd</sup> scientific conference, college of science, University of Tikrit, Sep. 2012.
- 33- Member of Scientific Committee of the 6<sup>th</sup> International Congress Geotunis, Tunis, 26<sup>th</sup> to 30<sup>th</sup> March, 2012.
- 34- Member of Scientific Committee of the 7<sup>th</sup> International Congress Geotunis, Tunis, April, 2013.
- 35- Chairman of the Committee for establishment of Balad University, Iraq, 2013.
- 36- Member of preparation committee of 5<sup>th</sup> Scientific Symposium, natural resources research center, College of Science, University of Tikrit, 2013.
- 37- Member of preparation committee of 6<sup>th</sup> Scientific Symposium, natural resources research center, College of Science, University of Tikrit, 2014.
- 38- Chairman of preparation committee of Scientific Symposium on Geometric Analysis of Dam Reservoir, Department of Geology, College of Science, University of Tikrit, 2015.
- 39- Member of the Scientific Committee of the 16<sup>th</sup> Scientific Conference of Iraqi Geological Union, University of Tikrit, 2016.
- 40- Member of Consultation Board of Iraqi Journal of Geology, Ministry of Higher Education and Scientific Research, 2010-2018.
- 41- Editor in Chief of Tikrit Journal for Pure Science, University of Tikrit, 2011-2018.
- 42- Chairman of Scientific Committee of Natural Resources Research Center, University of Tikrit, 2011-2018.
- 43- Member of the Scientific Committee for Accreditation of the University of Tikrit according to RUR Standard, 2018.
- 44- Member of the scientific committee for the study of waste and the possibilities of recycling and utilization in Tikrit, University of Tikrit, 2018.
- 45- Member of the Scientific Committee of the Smart University, University of Tikrit, 2018.
- 46- Member of the Scientific Committee of the Cooperation Program between the University of Tikrit and The International Research & Exchanges Board (IREX), University of Tikrit, 2018.
- 47- Member of the Scientific Committee of the 17<sup>th</sup> Scientific Conference of Iraqi Geological Union, University of Tikrit, 2018.
- 48- Chairman of the Committee of Renewable Energy, Tikrit University, 2018.

- 49- Chairman of the scientific committee of the scientific symposium on environmental problems and solutions in the province of Salah al-Din, Center for Natural Resources Research, University of Tikrit, 2018.
- 50- Chairman of the Committee of Culture and Arts Program at the University of Tikrit, 2018.
- 51- Chairman of the Preparatory Committee for the 1<sup>st</sup> International and 3<sup>rd</sup> Scientific Conference in the College of Science, University of Tikrit, 2018.
- 52- Chairman of the Scientific Committee for the study of floods and their environmental effects, University of Tikrit, 2018.
- 53- Chairman of the scientific committee to prepare the training program for the Center of Continuing Education, University of Tikrit, 2018....

#### **6. List of Researches done by Dr. Sabbar Abdullah Saleh**

- 1- Groundwater, Resources, levels and types in Baiji City, Iraqi Journal for Science, 1996, Vol. 27, No. 2.
- 2- Water Availability periods and water surplus in Ajil sub-basin, North of Iraq. Tikrit Journal for Engineering Science, 1996, Vol. 3, No 2.
- 3- Using of groundwater for Irrigation by drip Irrigation system –field study in North of Iraq, Tikrit Journal for Engineering Science, 1999, Vol. 6, No 3.
- 4- Suggested system to treat the pollution in Al-Naft Valley in Kirkuk –North of Iraq. Tikrit Journal for Engineering Science, 1998, Vol. 5, No 1.
- 5- Suggested system to drain groundwater and drawdown its levels in Baiji City, Tikrit Journal for Engineering Science, 1995, Vol. 2, No. 2.
- 6- The environmental effect of H<sub>2</sub>S Gases in Al-Fatha Springs and their treatment. Tikrit Journal for Engineering Science, 1998, Vol 5, No. 3.
- 7- Ground Water Hydrology Of Ajil Sub-basin, North of Iraq, Iraqi Journal for Science, 1995, Vol. 36, no 5.
- 8- Rising of groundwater levels in Baiji Refineries Company, the problem and treatment. Tikrit Journal for Engineering Science, 1999, Vol. 6, No. 5.
- 9- Microgravity method to detection of weak zones under the foundations of building site – Case study in Iraq, Journal of Dirasat, Jordanian University, 2002, Vol. 30, No. 2.

- 10- Pollution of ground water in the sites of industrial establishments by the trace elements – Case study in north Iraq, Proceeding of the first Scientific Conference in the College of Education, University of Tikrit, 18 march 2003, Iraq.
- 11- A new interpretation to the tectonic zones of the southern Iraq, Tikrit Journal for Engineering Science, 2001, Vol 7, No 5.
- 12- Hydrochemistry of Springs Water in Al-Khalifah Saltern -North of Iraq and Optimum Method to Produce the Salt, Tikrit Journal for Pure Science, 2002, Vol 8, No 1.
- 13- Groundwater saturation indices for evaluation of foundations soil problems – case study at Baiji Sub-Basin / Iraq, Tikrit Journal for Engineering Science, 2002, Vol 9, No 1.
- 14- Effect of waste water on the soil behavior and contamination, proceeding of the first Scientific Conference in the College of Education, University of Tikrit, 18 March 2003, Iraq.
- 15- Suggested Grout Materials and Grouting Pressure for Treatment of Weak Zones and Cavities under the Foundations of Baiji Fertilizers Company, Under Publishing.
- 16- Using of Ground Water to Reduce the Problem of Cavitation Under the Foundations in Gypsiferous soil in the Site of Tikrit University-North Iraq, Tikrit Journal for Pure Science Vol.9, No.1-2003.
- 17- Influence of industrial wastewater of the fertilizing company on the behaviour of the soil of wastewater platforms, Baiji area, Tikrit Journal for Pure Science Vol.9 No.2-2003.
- 18- Prediction of the Problem of Cavities Under the Buildings by the Activity of Water and Soil Chemistry in Selected site of Tikrit City- North Iraq, proceeding of 6<sup>th</sup> International Conference on Geochemistry, Alexandria University, Alexandria, Egypt, 15-16 Sept.-2004, pages 31-41.
- 19- Determination of the Locations of Ground Water Table Anomalies by the Ring and Central Point Method Study of Three Areas in Iraq, Al- Rafidain Journal for science, University of Mosul, Vol. 16, No. 1, 2005.
- 20- Investment of water bodies for tourism attraction, case study in Makhul dam reservoir, north Iraq, Tikrit journal for humanities, Vol. 12, No. 1, 2005, P. 142-153.

- 21- An Integrated Approach (RS, GIS, & Modeling) for the Assessment of the Disintegration and Renovation of the Mesopotamian Marshlands, American Geophysical Union, Fall Meeting 2007, abstract #H23D-05
- 22- Who Did What To The Mesopotamian Marshes? Inferences From Temporal Satellite Data, Geological Society Of America Annual Meeting Abstracts With Programs, Vol. 37, No.7, P. 510.
- 23- Using of Gradient Techniques for Depth Estimation of Gravity Source, Tikrit Journal for Pure Science Vol.11 No.1-2006.
- 24- Applications of Ground Penetrating Radar (GPR) in Detection of Behavior of Groundwater Table near Pumping Well, Tikrit Journal for Pure Science Vol.12. No.1-2007.
- 25- Hydrologic impacts of engineering projects on the Tigris–Euphrates system and its marshlands, Journal of Hydrology, Vol. 353 (1-2), 2008, pp 59-75.
- 26- Study of nature, origin, movement and extension of sand dunes by using sedimentological aspects and remote sensing techniques in Baiji area, North Iraq, Kirkuk Journal for Science, Vol. 2. No. 1, 2009.
- 27- Mineralogy and Geochemistry of Meha Solar Salt Pond, Iraq, Proceedings of the 2nd International Conference on the Ecological Importance of Solar Saltworks (CEISSA2009), Merida, Yucatan, Mexico, 26 – 29 March 2009.
- 28- Geochemistry of salt-affected wasteland resulting from long-term wastewater irrigation, proceeding of 2<sup>nd</sup> workshop, Productive and Sustainable Use of Saline Waters and Salt-affected Soils in Agriculture, ICARDA Headquarters, Aleppo, Syria, 15-18 November 2009, 65-72.
- 29- Hydrogeological conditions of western Makhol sub-basin, north Baije Iraq, 1<sup>st</sup> scientific conference of desert studies center, University of Anbar, Anbar, Iraq, 15 Dec. 2009.
- 30- Hydrochemistry as Indicator to Select the Suitable Locations for Water Storage in Tharthar Valley, Al-Jazira Area, Iraq, Scientific Research, Journal of Water Resource and Protection, No. 4, 2012, pp 648-656.
- 31- Evaluation of Efficiency of Samarra Dam Reservoir on Tigris River, Midst of Iraq, 7<sup>th</sup> International Symposium on the Eastern Mediterranean Geology, 18–22 October, 2010, Çukurova University, Adana – Turkey, P-176.
- 32- Determination of groundwater recharge by the water balance zones of Baiji – Tikrit sub-basin, north of Iraq, Kirkuk Journal for Science, Vol. 1., no. 2, 2011.



- 33- Using of Microgravity Technique to Determine the Cavities and Weak Zones, and Treatment Methods in the zone of Foundations of Dijlah Hospital, Tikrit, Iraq, Tikrit Journal for Pure Science, Vol. 16. No. 2. 2011.
- 34- Soil Contamination by Heavy Metals in Floodplain of Qweik River, Aleppo, Syria, Tikrit Journal for Pure Science Vol.16. No.4-2011.
- 35- Morphometric, Hydrogeologic and Hydrochemical Analyses of Solar Saltwork Pond Region, in Meha Area, Northwest Sharqat City, Iraq, Journal of Geographic Information System, Scientific Research Publishing, Inc. USA, Vol. 4 No. 2, 2012, pp. 86-95.
- 36- Using of GIS Spatial Analyses to Study the Selected Location for Dam Reservoir on Wadi Al-Jirnaf, West of Shirqat Area, Iraq, Journal of Geographic Information System, Scientific Research Publishing, Inc. USA, Vol. 4 No. 2, 2012, pp. 117-127.
- 37- Use of Digital Analysis and GIS in Identification of Soil Map Units of West Makhool Area of Salahaddin Province, Journal of Tikrit University for Agriculture Science, JTuAS, Iraq, Vol. 12 No. 1, 2012, pp. 147-165.
- 38- Development of geoenvironmental education, in the specifications which related with geological background, 1<sup>st</sup> Engineering Education Conference, Kurdistan Region, University of Duhok, 17-19 April 2012.
- 39- Geometric Analysis to Select the Optimal Level for Makhool Proposed Dam Reservoir, 6<sup>th</sup> International Conference on Water Resources and Environment Research, 3-7 June 2013 Koblenz, Germany.
- 40- Evaluation of Hydrogeological Conditions of Groundwater Aquifer/ West Zighatoon Basin, Tikrit Journal for Pure Sciences, Special Issue for the 2<sup>nd</sup> Scientific Conference, 25-26, Sep. 2012, pp 259-271.
- 41- Sedimentological and Mineralogical of Sand Dune in AL\_Nama area, SE/Tikrit., Tikrit Journal for Pure Sciences, Special Issue for the 2<sup>nd</sup> Scientific Conference, 25-26, Sep. 2012, pp 287-301.
- 42- Quality of Groundwater in Diglah Irrigation Project Area, South Tikrit, Tikrit Journal for Pure Sciences, Special Issue for the 2<sup>nd</sup> Scientific Conference, 25-26, Sep. 2012, pp 227-241.
- 43- Study of the aquifer nature between Tuz Khurmato and Ber ahmmad village using Vertical Electrical Sounding (VES), Tikrit, Tikrit Journal for Pure Science, Vol. 19. No. 6., 2014.

- 44- Study of Mineralogical and Textural characteristic for Sediment in Water Pumping Stations of Industrial Plants and Domestic Uses/ Baiji/ North Iraq, Tikrit Journal for Pure Science, Vol. 19., No. 6., 2014.
- 45- Hydraulic Characteristics of the Groundwater Aquifer in Al-Dhibaei Area South Tikrit, Tikrit Journal for Pure Science, Vol. 20., No. 3., 2015.
- 46- Evaluation of Efficiency of Groundwater Desalination Plants in Different Hydrogeological Conditions in Salahaddin Governorate/ Iraq, Tikrit Journal for Pure Science, Vol. 20., No. 5., 2015.
- 47- Flood Routing of Tigris River in Baiji Station and Makhoul Dam Reservoir under the Supposed Operation of the Dam, Tikrit Journal for Pure Science, Vol. 22., No. 1., 2017.
- 48- Detection of Structural Control on Formation Water Quality, in Hemrin Oilfield, northern Iraq, Using Lineament Analysis and Hydrochemical Data, Tikrit Journal for Pure Sciences, Vol. 22., No. 2., 2017.
- 49- The use of digital elevation model and GIS for geometric analysis of water reservoir to feed the hypothetical irrigation project west Makhoul in Salahuddin province, Tikrit Journal for Pure Science, Vol. 22., No. 3., 2017..
- 50- Hydrogeological Conditions of Groundwater Aquifers/ West Makhul, North Iraq, Tikrit Journal for Pure Science, Vol. 22., No. 5., 2017.
- 51- Sedimentological and Geochemical Study of Foundation Zone Sediment at Baiji City, North Iraq, Tikrit Journal for Pure Sciences, Vol. 22., No. 5., 2017.
- 52- Innovated Method to Estimate the Water Income in the section of Tharthar Valley near the Site of Hatra Proposed Dam, Tikrit Journal of Pure Science, Vol. 22, No. 6., 2017.
- 53- Hydrogeological Condition of Lailan Sub-Basin- Iraq, Iraqi Journal of Groundwater, General Authority of Groundwater, Vol. 1. No.1, 2017.
- 54- Construction of Mathematical Model of Groundwater flow in the Site of Hatra Dam, Iraqi Journal of Groundwater, General Authority of Groundwater, Vol. 1. No.1, 2017.
- 55- Assessment of Hydrogeological Conditions, of Groundwater Aquifer in the Site of Hatra Dam, Iraqi Journal of Groundwater, Iraqi Journal of Groundwater, General Authority of Groundwater, Vol. 1. No.1, 2017.
- 56- Textural and Geochemical Properties of Groundwater Aquifer Sediments in West Makhul, The Iraqi Bulletin of Geology and Mining, Baghdad, Iraq, No. 1., 2017.

- 57- Innovated Model to Simulate the Hydrogeological Conditions of Groundwater System in Baiji City, The 16<sup>th</sup> Iraqi Geological Conference, for the period: 12 – 13<sup>th</sup> April 2017, Iraqi Geologists Union, Baghdad, Iraq.
- 58- Assessment the Hydraulic Characteristics of the Aquifers using Electrical Resistivity Method Southwest AlSamawa, Iraq, The 16<sup>th</sup> Iraqi Geological Conference, for the period: 12 – 13<sup>th</sup> April 2017, Iraqi Geologists Union, Baghdad, Iraq.
- 59- Application of Vertical Electrical Sounding to Delineate and Evaluate the Hydrological Conditions in Baiji –Tikrit Basin, The 16<sup>th</sup> Iraqi Geological Conference, for the period: 12 – 13<sup>th</sup> April 2017, Iraqi Geologists Union, Baghdad, Iraq.
- 60- Hydrogeological Conditions, Flow Net, and Surface Drainage System of Wadi Al-Murr Basin, Northwest Iraq, Tikrit Journal of Pure Science, Vol. 22, No. 10., 2017..
- 61- Effect of Sand Dune Sediments in Na'mah-Aithah Area on the Hydrogeology and Recharge of groundwater, The 16<sup>th</sup> Iraqi Geological Conference, for the period: 12 – 13<sup>th</sup> April 2017, Iraqi Geologists Union, Baghdad, Iraq.
- 62- Detection of Groundwater Table and Water Solubility Features Using GPR Technique in Selected Areas in North of Iraq, ISNET/NARSS workshop on “Earth remote sensing with synthetic aperture Radar (SAR); 27 Nov-01 Dec 2016; Cairo, Egypt
- 63- Selection of Optimum Location to Small Dam on Valley of Um\_AlShibabit, In Sharqat, North Iraq, Using RS and GIS, under publishing.
- 64- DEM-GIS Based Geometric Analyses of Kufri Dam, Kurdistan, Iraq, The 3<sup>rd</sup> International Geological Conference of Kurdistan Sulaimani, Kurdistan Region, Iraq, 5-7 Dec. 1917.
- 65- Hydrogeochemistry of Formation water at Tertiary Reservoir in Hemrin Oilfield, Northern Iraq, 1<sup>st</sup> international scientific conference, Alkitab university college, Iraq, 13-14 Dec. 2017.
- 66- Geometric Investigation of Al-Wind Dam Reservoir Northeastern Iraq, using Digital Elevation Models and Spatial Analyses System, Tikrit Journal of Pure Science, 2018, 23(3), 75-86.
- 67- The Effects of Rain Water Percolation through the Fractures on the Petroleum Quality, Hemrin Oilfield, Northern Iraq, Sustainable Resources Management Journal, 2018, 3 (2), 42-57.

- 68- Groundwater Hydrogeochemistry in Naima-Aithah area Southeast Tikrit, Iraq, Modern Environmental Science and Engineering, 2018.
- 69- Geotechnical Properties for Sediment in Tigris River Reach Banks within Tikrit Town/ Iraq, Tikrit Journal of Pure Science, 2018, 23(10).
- 70- Estimation of Annual Surface Runoff and Water Income of Abu Khashab Valley, Northern Central Iraq, Using SCS-CN Method, by RS-GIS Techniques, Tikrit Journal of Pure Science, 2018, 23(11).
- 71- DEM-Based Geometric Investigation of Abu-Khashab Dam Suggested Reservoirs, Southeast Tikrit, Iraq, 9<sup>th</sup> Periodical Scientific Conference, Dams and Water Resources Research Center, University of Mosul, 27-28 Nov. 2018. (Accepted).

### **7. Participation in Scientific Conferences:**

- 1- 10<sup>th</sup> Geological Conference in the Iraqi Geologists Syndicate –Baghdad –Iraq-1992.
- 2- 1<sup>st</sup> Scientific Conference Held in the college of engineering, University of Tikrit-1994.
- 3- 11<sup>th</sup> Geological Conference in the Iraqi Geologists Syndicate –Baghdad –Iraq-1994.
- 4- 12<sup>th</sup> Geological Conference in the Iraqi Geologists Syndicate –Baghdad –Iraq-1996.
- 5- 2<sup>nd</sup> Scientific Conference Held in the college of engineering, University of Tikrit-1996.
- 6- 3<sup>rd</sup> Scientific Conference Held in the college of engineering, University of Tikrit-1998.
- 7- 13<sup>th</sup> Geological Conference in the Iraqi Geologists Syndicate –Baghdad –Iraq-1998.
- 8- 1<sup>st</sup> Scientific Conference held in the Iraqi Engineering Syndicate Branch of Salahaddin, Tikrit –Iraq- 1998.
- 9- 1<sup>st</sup> scientific symposium of state company for fertilizers in northern area, Baiji, Iraq, 1999.
- 10- 2<sup>nd</sup> Conference of Society of water resources held in Ministry of Irrigation-Baghdad-Iraq-2000.
- 11- 7<sup>th</sup> Jordanian Geological Conference, Jordanian University, Amman-2001.
- 12- 4<sup>th</sup> Syrian -Egyptian Conference of Chemical and Petroleum Engineering, Al-Baath University, Syria-2001.
- 13- 6<sup>th</sup> International Conference on Geology of the Arab World, Cairo University, Egypt-2002.

- 14- 4<sup>th</sup> international conference for role of engineering toward a better environment – Alexandria University –2002.
- 15- 1<sup>st</sup> Symposium about the desertification in Iraq, University of Tikrit, College of Agricultural, 2002.
- 16- 15<sup>th</sup> Geological Conference in the Iraqi Geologists Syndicate –Baghdad –Iraq-2002.
- 17- 4<sup>th</sup> Scientific Conference Held in the college of Education, University of Tikrit-2003.
- 18- A joint United States/ Egyptian workshop, to identify water resources/ environment related research needs/ focus on: using of remote sensing technology for assessing and managing surface and ground water. 3-9 Dec. 2003 Cairo, Egypt.
- 19- 7<sup>th</sup> Jordanian Geological Conference, Jordanian University, Amman-2004.
- 20- 7<sup>th</sup> International Conference on Geology of the Arab World, Cairo University, Egypt-2004.
- 21- 1<sup>st</sup> symposium of Department of Geology, College of Science, University of Tikrit, 2004, Tikrit, Iraq.
- 22- 6<sup>th</sup> International Conference on Geochemistry, Alexandria University, Alexandria-2004.
- 23- Conference on Advanced Remote Sensing for Earth Observation; Systems, Techniques, and Applications, Riyadh, Kingdom of Saudi Arabia, May 8-11, 2005
- 24- Int. Conference & Field Seminar - Water Resources & Environmental Problems in Karst, CVIJIC, Belgrade, Serbia and Montenegro, 2005.
- 25- Research Program, Center of Northeast Asian Studies, University of Tohoko, Sendai, Japan, 2006.
- 26- 2<sup>nd</sup> symposium of Department of Geology, College of Science, University of Tikrit, March 2005, Tikrit, Iraq.
- 27- 1<sup>st</sup> Scientific Symposium of remote sensing unit, College of Science, University of Tikrit, 5 Dec. 2006, Tikrit, Iraq.
- 28- 3<sup>rd</sup> Scientific Symposium of Department of Geology, College of Science, University of Tikrit, 2006, Tikrit, Iraq.
- 29- 15<sup>th</sup> International Scientific Symposium and Exhibition on Remote Sensing and Assisting Systems, General Organization of Remote Sensing, Damascus- Syria, 18-21 September 2006.
- 30- 8<sup>th</sup> Jordanian Geological Conference, Amman-2007.

- 31- 4<sup>th</sup> Scientific Symposium of Department of Geology, College of Science, University of Tikrit, 2004, Tikrit, Iraq.
- 32- 2<sup>nd</sup> Scientific Symposium of remote sensing unit, College of Science, University of Tikrit, 19 May 2007, Tikrit, Iraq.
- 33- 5<sup>th</sup> Scientific Symposium of Department of Geology, College of Science, University of Tikrit, Nov, 2008, Tikrit, Iraq.
- 34- 3<sup>rd</sup> Scientific Symposium of remote sensing unit, College of Science, University of Tikrit, 26 March 2008, Tikrit, Iraq.
- 35- The 5<sup>th</sup> Congress of Scientific Research Outlook in the Arab World, “Scientific Innovation and Sustained Development” 25 - 30 October 2008, Fez-Morocco.
- 36- 1<sup>st</sup> Scientific Symposium of construction of University of Tikrit, 14 April, 2009.
- 37- 1<sup>st</sup> Scientific Conference Held in the college of Science, University of Kirkuk- Feb. 2009.
- 38- 4<sup>th</sup> Scientific Symposium of remote sensing unit, College of Science, University of Tikrit, May, 2009, Tikrit, Iraq.
- 39- 6<sup>th</sup> Scientific Symposium of Department of Geology, College of Science, University of Tikrit, Nov, 2009, Tikrit, Iraq.
- 40- 1<sup>st</sup> Scientific Conference Held in the college of Science, University of Tikrit, 29 Sep. 2009.
- 41- 2<sup>nd</sup> workshop, Productive and Sustainable Use of Saline Waters and Salt-affected Soils in Agriculture, 15-18 November 2009, ICARDA Headquarters, Aleppo, Syria.
- 42- 1<sup>st</sup> Scientific Conference Held in the Desert Studies Center, University of Anbar, 15 Dec. 2009.
- 43- Advanced Training Course in RS & GIS, INTER-ISLAMIC NETWORK ON SPACE SCIENCES & TECHNOLOGY, (ISNET), 05-18 April 2010, Karachi, Pakistan.
- 44- International Conference on “Sustainable Water Management” (SWM 2010), 15 to 17 September 2010, Mehran University of Engineering and Technology Jamshoro, Sindh, Pakistan.
- 45- 7<sup>th</sup> International Scientific Symposium on the Eastern Mediterranean Geology, 18–22 October, 2010, Çukurova University, Adana – Turkey.
- 46- 7<sup>th</sup> Scientific Symposium of Department of Geology, College of Science, University of Tikrit, Nov, 2010, Tikrit, Iraq.

- 47- 5<sup>th</sup> International Congress Geotunis 2010, The Tunisian Association of Digital Geographic Information, 29 November to 03 December 2010, Tunis.
- 48- 2<sup>nd</sup> Scientific Conference Held in the Desert Studies Center, University of Anbar, May. 2011.
- 49- 8<sup>th</sup> Scientific Symposium of Department of Geology, College of Science, University of Tikrit, 22 May, 2012, Tikrit, Iraq.
- 50- 1<sup>st</sup> Scientific Symposium of Present Status of Water Resources in Iraq, Scarcity and Exploration, College of Engineering, University of Mousul, 23-24 May, 2011, Mousul, Iraq.
- 51- 1<sup>st</sup> International Conference For Water Resources & Environment ICWRE, 20-24 November 2011, Marrakesh, Morocco.
- 52- 6<sup>th</sup> International Congress Geotunis, The Tunisian Association of Digital Geographic Information, Tunis, 26<sup>th</sup> to 30<sup>th</sup> March, 2012.
- 53- 3<sup>rd</sup> Scientific Conference Held in the Desert Studies Center, University of Anbar, 19-20 March 2012.
- 54- First Engineering Education Conference, Kurdistan Region, University of Duhok, 17-19 April 2012.
- 55- 2<sup>nd</sup> Scientific Conference Held in the college of Science, University of Tikrit, 24 Sep. 2012.
- 56- 1<sup>st</sup> international conference of Water and Desert Researches, Euro-Arabe Organisation for Environnement, Water and Desert Researches, EWDR, Antalya 14-18 October 2012.
- 57- Scientific Symposium of Small Dams, College of Engineering, University of Tikrit, Iraq, April, 2013.
- 58- 6<sup>th</sup> International Conference on Water Resources and Environment Research, 3–7 June 2013 Koblenz, Germany.
- 59- Arabian Geoscience Students Forum, Sultan Qaboos University, Muscat, Oman, 6-9/10/2013,
- 60- The Iraqi Visiting Fellows Program, Lebanese American University, Beirut, Lebanon 6 Jan. – 6 Feb. 2014.
- 61- Quality Assurance Training Course, April 2014, Istanbul, Turkey.
- 62- 2<sup>nd</sup> Arab Water Conference, Doha, Qatar, 27-29 May 2014.
- 63- 11<sup>th</sup> Scientific Symposium of department of geology, college of science, university of Tikrit, 3 March, 2015, Tikrit, Iraq.

- 64- 12<sup>th</sup> Scientific Symposium of department of geology, college of science, university of Tikrit, 13 October, 2016, Tikrit, Iraq.
- 65- ISNET/NARSS WORKSHOP ON Earth Remote Sensing with Synthetic Aperture Radar (SAR), 27 Nov-01 Dec 2016, Cairo, Egypt
- 66- The 16<sup>th</sup> Iraqi Geological Conference, for the period: 12–13<sup>th</sup> April 2017, Iraqi Geologists Union, Baghdad, Iraq.
- 67- The 3<sup>rd</sup> International Geological Conference of Kurdistan Sulaimani, Kurdistan Region, Iraq, 5-7 Dec. 1917.
- 68- The 1<sup>st</sup> international scientific conference, Alkitab university college, Iraq, 13-14 Dec. 2017.
- 69- Water Shortage Scientific Symposium , Al-Abbaia Ataba, Karbala, Iraq. 6 Jan. 2018.
- 70- The 8<sup>th</sup> Geochemistry Symposium, Manavgat, Antalya, TURKEY, 02-06 May 2018.
- 71- The scientific symposium on environmental problems and solutions in the province of Salah al-Din, Center for Natural Resources Research, University of Tikrit, 2018.
- 72- The 2<sup>nd</sup> International Conference for Engineering, Technology and Sciences (ICETS), (IEEE Technically Sponsored), Held at "AL-KITAB University College"- Kirkuk- IRAQ, 5-6 Dec. 2018.
- 73- The 1<sup>st</sup> International and 3<sup>rd</sup> Scientific Conference of College of Science, University of Tikrit, 17-18 Dec. 2018.
- 74- 15<sup>th</sup> Scientific Symposium in department of geology, University of Tikrit, "Floods of intermittent streams in Salahaddin governorate and its environmental effects, and the suggested solutions", 26 Dec. 2018.

### **8. Subjects Taught to Students:**

- 1- Groundwater Hydrology
- 2- Engineering Hydrology
- 3- Hydrochemisry
- 4- Applications of Geographic Information Systems (GIS) in Hydrogeology
- 5- Applications of Remote Sensing (RS) in Hydrogeology
- 6- Dams and Reservoirs
- 7- Geological Software
- 8- Computer Programming for geological application



- 9- Computer Applications
- 10- Geochemistry
- 11- General Geology
- 12- Hydrogeology of Iraq (M. Sc. And Diploma course).
- 13- Advance Hydrogeology (M. Sc. and Diploma course).
- 14- Selected Topics in Hydrology (M. Sc.)
- 15- Programming of remote sensing (M. Sc. And Diploma course).
- 16- Water well drilling and design (diploma course)
- 17- field training course for 4<sup>th</sup> class (2005-2018)

### **9. Supervision on Higher Studies Projects**

Supervisor on higher studies theses and dissertations in Tikrit University and other universities.

- 1- 22 Bachelor Sc. Theses.
- 2- 4 Diploma Theses.
- 3- 28 Master Sc. Theses.
- 4- 9 Ph. Doctorate Dissertations.
- 5- Discussions of more than 100 theses and dissertations.

### **10. Research Projects**

- 1- C. Jones, M. Sultan, E. Yan, A. Milewski, M. Hussein, A. Al-Dousari, S. A. Saleh, R. Becker, Who did what to the Tigris-Euphrates System. Inferences from Hydrologic Models and Remote Sensing Data, granted by the National Science Foundation (NSF).
- 2- Saleh, S. A, & Al-Juboury, A. A, Al-Tarif, A. M., & Eleiwi, J. H. (2007), Geoengineering Studies to the site of Dam and Reservoir in Wadi Al-Jirnaf – West of Shirqat, Iraq, granted by the Arab Science and Technology Foundation (ASTF).
- 3- Al-Juboury, A. A., Al-Tarif, A. M., Saleh, S. A., & Eleiwi, J. H. (2007), Development of Saline Lakes in Sharqat area, south of Mosul City, granted by the Arab Science and Technology Foundation (ASTF), grant No WA06-2007
- 4- Saleh, Sabbar Abdallah and Kadem, Lifta Salman, Hydrology of Surface and Groundwater in Tharthar Intermittent Valley, and Geochemistry of Surrounding Gypsiferous Soil, to Refresh the Agriculture in Northern Part of Al- Jazira area,

Iraq., Granted By Norman E. Borlaug International Agricultural Science and Technology Fellows Program (2009).

- 5- Potential Contamination of Soil-Water System in Moaibdi Area by Crude Oil from Devastating Oil Wells, United State Agency of International Development USAID (2018).

## **11.Studies**

- 1- Treatment of the drainage system of wastewater and ground water rising in Baiji City, 1997.
- 2- Evolution of geophysical studies for detection of locations, depths and shapes of cavities under the foundations of Baiji Fertilizer Company, 1998.
- 3- Treatment of cavities by grouting under the Foundations of Buildings in Baiji Power Plant, 1998.
- 4- Treatment of cavities by grouting under the Foundations of Buildings in Baiji Fertilizers Company, 1999.
- 5- Treatment of cavities by grouting under the Foundations of Buildings in Baiji refineries, 1999.
- 6- Treatment of the movement of Baiji Sand Dunes along the railway lines of Baiji by using of industrial drainage system, 2000.
- 7- Evaluation the usability of limestone for railway lines covering, between Tikrit and Mosul, in seven quarries in Salahaddin province, 2001.
- 8- Study to establish the general company of geological Survey and Mining, Salahaddin Province, 2006.
- 9- Study to establish the Natural Resources and Environment Researches Center, University of Tikrit, 2007.
- 10- Study of Construction of Bricks Factories in Salahaddin Governorate, 2007.
- 11- Study of Construction of Grey Cement Factory in Salahaddin Governorate, 2007.
- 12- Study of Construction of Table Salt Factory in Salahaddin Governorate, 2007.
- 13- Study of the Natural Resources in Salahaddin governorate 2007.
- 14- Using of *Jatropha curcas* to stabilization of soil and preservation of desertification, 2009
- 15- Detection of cavities under the foundations Dijla hospital by microgravity method, Tikrit, March, 2009.

- 16- Hydrogeology of Baiji – Tikrit sub- basin, general board of groundwater, ministry of water resources, 2010, Iraq.
- 17- Biological diversity in water environments in Iraq, Ministry of environment, 2011, Iraq.
- 18- Dewatering system to drawdown the groundwater table in Baiji city, 2012, Iraq.
- 19- Site investigation of the Baiji diesel power plant, Al-Iz company, Ministry of Industry, 2012, Iraq.
- 20- GPR Investigation of AlShemal Thermal Power Station, Hammam Al-Alil, Mousul, Ministry of electricity, 2013.

## **12. International Collaboration in Scientific Research**

- 1- Department of Geosciences, University of Western Michigan, USA
- 2- National Science Foundation (NSF), USA.
- 3- Matsumae International Foundation (MIF), Japan.
- 4- Center of Northeast Asian Studies, University of Tohoko, Sendai, Japan.
- 5- Arab Science and Technology Foundation (ASTF).
- 6- USDA/ Borlaug Science and Technology Fellows Program.
- 7- International Center of Arid Regions and Desert Areas (ICARDA)
- 8- Inter-Islamic network on space sciences & technology (ISNET), SUPARCO, Pakistan.
- 9- United State Agency of International Development (USAID)

## **13. Acknowledgements**

More than 200 Acknowledgement certificates from the deans and presidents of University, Ministers of Higher Education and scientific research.

## **14. Annual evaluation**

Excellent for 26 year, (1993-2019).

Prize of the Ministry of Higher Education for excellent teaching staff, 2000.

1<sup>st</sup> professor of University of Tikrit, 2011, 2018.

Prize of the Ministry of Higher Education for excellent researchers, 2013.

## **15. Social Networking Sites**

1. Academia: <https://tikrit.academia.edu/SabbarSaleh>

2. Research Gate: [https://www.researchgate.net/profile/Sabbar\\_Salih](https://www.researchgate.net/profile/Sabbar_Salih)

3. Google Schaller: <https://scholar.google.com/citations?user=pD6IlloAAAAJ&hl=en>

4. ORCID: <https://orcid.org/0000-0003-1960-4974>

5. PUBLON:

[https://publons.com/dashboard/records/publication/import/?show\\_wos\\_rid\\_cta=True](https://publons.com/dashboard/records/publication/import/?show_wos_rid_cta=True)

6. Facebook: <https://www.facebook.com/sabbar.alqaisy>

No.	Student Name	Thesis	Year of graduation
<b>M. Sc. Thesis</b>			
1.	Safi Aswad Hammod Humaadah	Evaluation of Efficiency of Samarra Dum Lake By Geographic Techniques	2008
2.	Nawfal Hasan Ali Tahtoh Al_Joboory	Hydrogeological Condition of Baiji-Tikrit Sub basin	2010
3.	Zaidoon Taha Abdulrazzaq Al-Darraji	Application of Vertical Electrical Sounding to Delineate and Evaluate of Aquifers Characteristics in Baiji –Tikrit Basin	2011
4.	Mohammad Abd Al-Fatah Ali Sharar Al_Juboory	Evaluation of Hydrogeological Conditions, and Mathematical Modeling of Aquifer in the Location of Hatra Suggested Dam	2011
5.	Ammar Saadi Ismaeel	Using of Remote Sensing Techniques and Geographic Information Systems in the Preparation of Soil Map West Makhool Anticline	2011
6.	Ehab Mohammad Amen Mahmud Al-Doury	Hydrogeology of West Zightoon Valley Basin\ NE Tikrit	2012
7.	Mayda Ahmed Abdullah Hussein Al_Joboory	Role of sand dunes in recharging of ground water in Naima area /Southeast Tikrit	2012
8.	Wurood Saud Alwan Hamad Al_Nasery	Evaluation of Mutual Effect Between Ground Water and Dijlah Irrigation Project / South of Tikrit	2012
9.	Saja Sami Mohammed	Hydrogeological Conditions of Injana aquifer for western Makhul area/ North Iraq	2013
10.	Hasan Shahbaz Zien Alabdin Alqushgi	Evaluation of hydrogeological conditions of ground water aquifer using vertical electric sounding VES in west Tuz /Bar Ahmed/North Iraq	2013
11.	Reem Mushref Jassim	Effect of Variation of Sedimentological and Textural Facies on the Hydraulic Properties of Unconfined Aquifer, Baiji City, North Iraq	2013
12.	Aktefae Taha Abdulqader Abdurrahman Al-hwez	Bathometric Study for Cross Section on Tigris River at Water Intake Stations and Evaluation of Sediments at the Basins/ Baiji City	2014

13.	Omar Riyadh Abdulrahman Faisal al Doori	Study of Hydrogeological Properties and Sediments Transport of Tharthar Valley Section/Hatra Bridge/North Iraq	2014
14.	Riyadh Mhawish Rasheed AL-azzawi	Assessment the Hydraulic Characteristics of the Aquifers using Electrical Resistivity Method Southwest Alsamawa/Iraq	2014
15.	Saad Mawlood Saab Hassan	Hydrochemistry and Groundwater Flow in Al-Dhibaei Area South Tikrit	2015
16.	Rahman Hmoud Modhy	Suggestion of Irrigation Canal Construction in Aljazeera Region at Salahaldeen Province using Remote Sensing and GIS Techniques	2015
17.	Sameer Shaker Abbas	Structural Control on salinity Variation and Origin of Formation Water in Hamrin Oil Field, North Iraq.	2015
18.	Ghassan Shalan Nida Al-Shahry	Flood Routing of Tigris River in Baiji Station and Makhoul Dam Reservoir Under Supposed Operation of the Dam	2016
19.	Maha Shahir Badawy	Hydro-Geo Engineering study to rehabilitation of Tigris River reach in Tikrit for tourist attraction and river transport	2017
20.	Asal Hassan Al- Jibori	Geometrical Analyses of Abu-Khashab reservoir, western Hamrin, Salaahaddin	2017
21.	Israa Khalid Al- Hadithy	Hydrogeochemical Evaluation of Tikrit Potable water Station.	2018
22.	Ameen Ibrahim	Evaluation of seepage beneath Haditha dam	2018
23.	Ibrahim Mustafa Hassan	Hydrogeological conditions and Model in Samarra city	2018
<b>Ph. D. Dissertation</b>			
24.	Lateef M. Saleh	Makhool Dam Reservoir, Hydrology and Geometric Study to Select the Optimal Level.	2014
<b>Diploma thesis</b>			
25.	Ahmed Aswad Hamad	Estimation the Qualification of Produce Deionized Water at Baiji, Thermal Power Station/ Northern Iraq	2013
26.	Ghassan Fadhil Abdulqadir	Hydrogeological Conditions of Lailan Sub-basin, Southeastern Kirkuk.	2014
27.	Adnan Ahmed	Hydrochemistry of Groundwater in Kirkuk City	2017

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