

Curriculum Vitae

Name: Manal Shakir Ali Al-Kubaisi

Profession:

Professor in Structural Geology, Remote sensing and Morphotectonics
Department of Geology, College of Science, Baghdad University.

Educational history:

- 1- 1985: B.Sc.in general geology from Baghdad University.
- 2- 1993: M.Sc.in geomorphology from Baghdad University.
- 3- 2000: P.hD.in Structure geology and Morphotectonics from Baghdad University.

Professional history:

- 1-1986-1993: Assistant Geologist, Department of Geology, College of science, Baghdad University.
- 2- 1993-1999: Assistant lecturer, Department of Geology, College of Science, Baghdad University.
- 3- 2000-2004: Senior Lecturer, Department of Geology, College of Science, Baghdad University.
- 4- 2005: Assistant professor, Department of Geology, College of Science, Baghdad University.
- 5- 2014: Professor, Department of Geology, College of Science, Baghdad University.

Participations in the Scientific Societies:

- 1 - Member of Iraqi Geology Society.
- 2 - Member of the Iraqi Water Resources Association.

Participations in the Scientific Conferences:

- 1- 1987: MSS Use in Remote Sensing Applications, space and Astronomy Research center.
- 2- 1993: Desertification and its impact on Regional Development.
- 3- 1994-2002: Iraqi Geologic conferences.
- 4- 2000: National Scientific Congress on the Environmental pollution and protection.
- 5- 2000: First geographical congress in Al-Anbar University.

- 6- 2001, 2004: 7th and 8th Jordanian Geologic conferences.
- 7- 2001: Symposium of the Earthquake Hazards Reduction and Disasters mitigation in the Region of the Arabian –African Rift, Damascus, Syria.
- 8- 2001: 1st National Conference of Earth Science, Mosul University.
- 9- 2002, 2004: 6th and 7th Geologic Conferences of the Arab world.
- 10- 2004: 14th international symposium on Remote Sensing and Development, Damascus, Syria.
- 11- 2005: 1st International Gas Conference and Exhibition AL- Baath University Homs, Syria.
- 12- 2005: International petroleum Technology conference (IPTC), Doha, Qatar.
- 13- 2006: 6th International conference on the geology of the Middle East, United Arab Emirates University, Al-Ain, UAE.
- 14- Symposium on Mining Geology in Iraq (2010), Department of Geology- College of Science, Baghdad University.
- 15- 2011: 10th International conference of the Jordanian geologic association, University of Jordan, Amman.
- 16- 2011: Monitoring desert phenomenon and its ecological impacts in Nineveh governorate using R.S. and GIS Techniques. The 6th scientific symposium of Remote Sensing center, Mosul University, Iraq.
- 17- 2011: 9th Meeting of the Saudi society for Geosciences, King Saud University – Riyadh.
- 18- 2011: 1st International conference on Iraqi oil studies, Baghdad University-Baghdad.
- 19- 2013: 2nd International conference on Iraqi oil studies, Baghdad University-Baghdad.
- 20- 2013: Scientific geological conference, Ministry of Industry and Minerals, Iraq Geological Survey.

Publications:

- 1- Geomorphology of Rutba area, in the Desertification conference (1993).
- 2- Morphotectonics of the northern part of the western desert of Iraq, in the 11th Iraqi Geologic Conference (1994).
- 3- Geomorphology of the western desert in Iraq, in jour. Iraqi geol. Soc. (1997).
- 4- The rule of the lithologic variations on the flow regime of Diyala River in Jour .Water Resources (1999).
- 5- Sand grain size distribution and hydraulic conductivity, in the 14th Iraqi Geol. Con. (2000).

- 6- Impact of linear structures on determination of the environment of the environment of the Greater Zab River using remote sensing technique, in the National Scientific and protection (2000).
- 7- Geomorphology and structure of Diyala River basin in the folded zone in Iraq, in the 14th Iraqi Geol. con. (2000).
- 8- Adjustment of AL-Adhaim River drainage basin and its relation to the tectonics in the folded zone in Iraq using remote sensing technique, in the 7th Jordanian Conference (2001).
- 9- Do we have to explore the down flanks structures in the folded Zone of Diyala area, in the 1th National con .Of Earth Sci., Mosul Univ. (2001).
- 10- Seismic and Neotectonic Movements along the Tigris River in north Iraq, in the Symposium of the earthquake rift, (2001).
- 11- Tectonic history of Zagros Rivers and streams in north Iraq, in Derasat Jour., pure sciences, (vol. 29, no.2, 2002).
- 12- Modeling of Source Rocks Maturation and Hydrocarbon formation, Migration and Entrapment as an Exploration Tool: Example from Hemrin structure, in the 6th international con. on the Geol . of the Arab world . Cairo (2002).
- 13- Morphotectonics of the Lesser Zab River using Remote sensing Technique, in the 7th international Con. of the Geol. Of the Arab world Cairo (2004).
- 14- Geometry, Kinematics, Mechanism, Structural history, and tectonic implications of faults control the Tigris River Basin in AL-Mosul area in north Iraq, Iraqi Jour. Sci. (vol.45, No.1, 2004).
- 15- Morphotectonic of the Greater Zab River using remote sensing technique, in the 14th international symposium on the remote sensing of development, Damascus, Syria, (2004).
- 16- Inversion and folding of southern un-elevated folded belt in Iraq, Iraqi, Geol. Jour. (Vol.34, No.1, 2005).
- 17- Modeling of source rocks maturation as an exploration tool: Example from the Zagros for deep in North Iraq, in the 1st international Gas conference and exhibition, AL-Baath University-Homes, Syria (2005).
- 18- Modelling of source rocks maturation and hydrocarbon migration and entrapment in the southern Zagros simply folded belt in north Iraq, in the international petroleum technology conference, Doha, Qatar, (2005).
- 19- Basin Inversion ,folding and structural history of the un-elevated folded belt in north Iraq, in the 6th international conference on the geology of the middle east, United Arab Emirates university, Al Ain, UAE, (2006).
- 20- Bakhair Ishkaft fault and its influence on folding process in north west Iraq, in the 6th international conf. on the geology, Al Ain, UAE, (2006).

- 21- Morphotectonics of Shatt-Al Arab River southern Iraq, Iraqi J. of Science, the University of Baghdad, vol.55, no.3A.pp:1051-1060 (2014).
- 22- Faulted anticlines (desert roses) and linear slop deposits in Northwest Iraq: analysis of some selected morphotectonic features. Arab Journal of Geoscience, vol.7, No.3. pp:1001-1015 (2014).
- 23- Neotectonics of Al-Thirhar, Al-Habbaniya and Al-Razzazah Depressions, central Iraq, by using Remote Sensing data, Iraq Journal of Science , The University of Baghdad, No. 2B, Vol. 55, 2014.
- 24- Effect of Tectonic activity on Kersi fan in Sinjar Anticline northwest Iraq using GIS techniques, Arab J. Geosci, Vol. 8, NO.6, pp:3755-3765 (2015).
- 25- Effect of lateral propagation of selected folds on streams, Sulaimaniah area, NE Iraq. Iraqi Bull.of Geology and Mining Vol.11, No.1, 2015, pp:95-124 part 2.
- 26- Fold geometry and kinematics of inversion tectonics for Kosrat anticline, northeastern Iraq. Arab J. Geosci Vol.8, No.11 pp: 9469-9480 (2015).
- 27- Fracture analysis for the triple junction of Bekhair – Brifeca - Zawita, Anticlines northern Iraq. Iraqi J. of Science No.3A, Vol. 56, 2015.
- 28- Structural study of Nahr Umer oil field in southern Iraq, journal of petroleum research and studies, Ministry of Oil, Iraq (in press).
- 29- Geometry of Khalakan Anticline, Northeastern Iraq. Tikrit J. of Pure Science, College of Science, University of Tikrit (in press).
- 30- Structural development of Khalakan Anticline and deposition of Dokan conglomerate, Northeastern Iraq. Tikrit J. of Pure Science, College of Science, University of Tikrit (in press).
- 31- Development of Ratawi Oil Field, Southern Iraq. Iraqi J. of Science (in press).
- 32- Geometry Analysis of Ratawi Field. Iraqi J. of Science (in press).
- 33- Structural Analysis for the plunge areas of Bekhair, Brifka, Dohuk and Zawita Anticlines Northern Iraq using interpretation of seismic sections. Iraq Geological Journal (in press).

MSc Studies Supervised by the Author:

- 1- Bekhair-Eshkaft Fault and its influence on Folds in North West Iraq (2004).
- 2- Geomorphologic Study of Habbaniya lake area using aerial Photographs. (2005).
- 3- Morphotectonic Study of Shatt el Arab River, South Iraq. (2011).
- 4- Structure study of Nahr Umer subsurface structure in South Iraq (2011).
- 5- Khanaqin Fault and its effect on Hemrin South Structure (2012).

- 6- Effect of Neotectonics activity on selected structures north and northeastern part of Iraq (2012).
- 7- Structure of the triple connection of Baikher-Brifca-Atrush Anticlines, Northern Iraq (2015).
- 8-Study of Structural Style of Ratawi Field, Southern Iraq. (2018).

Ph D Studies Supervised by the Author:

- 1- Morphotectonic study of Alluvial fans in the low folded zone using remote sensing techniques (2012).
- 2- Tectonic evolution and origin of Al-Thirthar, Al-Habbaniya and Al-Razzaza Lakes west of Tigris River (2013).
- 3- Structural analysis of Kosrat anticline and its tectonic implications, northeastern Iraq (2014).
- 4- Geometry and structural history of Khalakan Anticline Northeastern Iraq (2018).

On Going PhD & MSc Student Research Project:

- 1- Kadhim S.M., Origin and development of Pira Magrun alluvial fans North East Iraq using remote sensing techniques (Baghdad University).
- 2- Salih Z.T., Morphotectonic study of Al-Khazir basin northern of Iraq using remote sensing and GIS techniques, (Baghdad University).
- 3- Hussein S.A., A Structural and man-made impacts on the stability of rock slopes adjacent to the upper Dokan main road at both sides of Sara anticline plunge, Sulimaniyah, NE of Iraq (Baghdad University).
- 4- Kadhim T.H., Morphotectonic Analysis of Diyala river basin using remote sensing and GIS techniques, Northeastern, Iraq (Baghdad University).
- 5- Hameed, A. A., Study of Structural Factors effect on rock slop stability of Bammo anticline in Northeast Iraq. (University of Baghdad).

Other Scientific Contributions:

- 6- The use of cooling water from Al-Shamal thermo-power plant in irrigation. (1993), a study carried for the commission of Electricity.

- 7- A geomorphological and slope stability study of the locations of the proposed pump storage of the proposed power station in Rawa, north of Saddam Dam, and Makhul/2, (2000) for the commission of Electricity.
- 8- A structural study of the area between Mousl and Al-Qaiarah using aerial photographs and satellite imagery. (2000) for the commission of Electricity.
- 9- Hydrological and morphological study of Al-Adhaim River using digital satellite data. (2000) for Al-Battani company.
- 10- Participated in the exploration project of Wadi Horran in western desert in the collaboration with the collage of literature /Baghdad University, the general archaeology office and the general company of geologic survey and mining (2000).
- 11- Environmental study of Tigris River basin between Al-Mousl and Al-Sherqatt area, (2002), for Al-Battani Company.
- 12- Surface geological study of the proposed Ejbail reservoir area, (2002) for the consultant Bureau of the University of Baghdad.
- 13- Study of injected waste hydrocarbons and its effect on Tigris river water. (2014) for the petroleum research and development center, Ministry of Oil, Iraq.

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