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**Academic Curriculum Vitae**

**Personal Information:**

Full Name: Dr. Faraj Habeeb Tobia

Academic Title: Professor

Email: faraj.tobia@su.edu.krd

Mobile: 07710166425

**Education:**

* MSc from Baghdad University at 20/12/1983
* PhD from Mosul University at 26/10/2005

**Employment:**

From 1986- 1990 at Scientific Research Council:

A member in "The development of Al-Ahwar region project, South of Iraq" (by UNDP).

A member in "The Exploitation development of the ground water for the agricultural purposes in Safwan- Al-Zubair area" project.

From 1991-2006 at State Company of Geological Survey and Mining, a member in:

1) Mineral exploration for barite, lead, and zinc in Northern Zakho.

2) Exploration for sulphur in Al- Mishraq area, Northern Iraq.

3) Geological and Hydrogeological studies for salt lakes in Western Iraq.

4) Mineral exploration for gold in Ga'ara area, Western Desert.

In 2007, joint Salahaddin University

**Qualifications**

Teaching course (Continuous teaching) from 12/9/2018 to 2/1/2009 at Salahaddin University.

**Teaching experience:**

- Mineralogy (First Stage)

- Ore Deposits (Fourth Stage)

- Industrial Rocks and Minerals (Fourth Stage)

- Environmental Geology (Fourth Stage)

- Advanced Mineralogy (MSc students)

- Advanced Geochemistry (MSc students)

- Mineral Exploration (MSc students)

- Analytical Technique (MSc students)

- Geochemistry of Trace Elements (PhD students)

- Advanced Mineral Exploration (PhD students)

**Research and publications**

\* Kettanah, Y. A., **Tobia, F. H.**, 1984, Discovery of gold in the sandstones of Ga'ara Formation, Ga'ara area, Western Desert, Iraq, 53p.

\* Al-Dabbas, M., **Tobia, F. H**.,1987, Ionic and major dissolved loads input from Euphrates river to Hor Al-Hammar marshes, Scientific Research Council, Iraq, Unpublished Report.

\* Al-Dabbas, M., **Tobia, F. H**.,1988, Study of heavy metals in fine grained sediments from Hor Al-Hammar and Euphrates tails, Jour. Agric. Water Reso. Res., Vol. 6, No. 1, pp.81- 94.

\* Al-Dabbas, M., **Tobia, F. H**.,1988, Zonal variations investigation of Al-Hammar marsh environment, Jour. Agric. Water Reso. Res., Vol. 7, No. 2, pp.167- 182.

\* Al-Dabbas, M., **Tobia, F. H**., Faizi, K., Al-Kubaisi, Q., 1989, Some geochemical aspects of Hor Al-Hammar sediments, Southern Iraq, Proc. 5th Sci. Conf., SRC, Iraq, Vol. 1, Part 3, pp. 62- 74.

\* Al-Dabbas, M., **Tobia, F. H**., Suliman, M. A., 1989, Water quality and lithological framework for upper Dibdiba sediment interaction at Safwan-Zubair area, Southern Iraq, Proc. 5th Sci. Conf., SRC, Iraq, Vol. 1, Part 3, pp. 10- 23.

\* Zaynal, M. S., **Tobia, F. H.,** 1989, The application of EM methods for rapid mapping of shallow conductive clay layer, Proc. 5th Sci. Conf., SRC, Iraq, Vol. 1, Part 3, pp. 156- 168.

\* Al-Ani, S. Sh., Morad, N. Y., **Tobia, F. H.,** Taha, Y. M., 1993, Hydrogeological studies of M2 area, Al-Mishraq, Iraq, GEOSURV, Unpublished report.

**\* Tobia, F. H.,** 1996, Geological and Hydrogeological studies for salt lakes in the Jezira, Iraq, GEOSURV, Unpublished Report, 31p. (in Arabic).

**Tobia, F. H**., Mostafa, M. M., 2007, the treatment of some sand samples from Hussainiyat Formation for using as 20-30 sand and graded sand, GEOSURV, Unpublished report, 13p. (in Arabic).

Aswad, KH. J., **Tobia, F. H**., 2007, Synthesis of monolith hydroxysodalite from low grade kaolin and its application as an absorbent for lead, Iraqi Journal of Earth Sciences, Vol. 7, No. 2, pp. 19- 30.

**Tobia, F. H.**, Aswad, KH. J, 2007, Indirect evaluation of chemical composition in illite/smectite interstratification and its application in paleoenvironment of deposition, Iraqi Journal of Earth Sciences, Vol.

Mustafa, M.M., **Tobia, F.H**., 2010, Modes of gold occurrences in Ga'ara depression, Western Desert, Iraq, Iraqi Bulletin of Geology and Mining, Vol.6, No.2, pp. 139-147.

**Tobia, F.H.,** 2011, Strontium isotope ratios as a tool for the origin of barite mineralization of Marsis and Lefan deposits/ Northeast Zakho/ Iraq, Iraqi Journal of Earth Sciences,Vol.11, No.2.

Al-Ka'aby, A.A., Al-Azawi, A.M., **Tobia, F.H**., 2011, Geology & Geochemistry of the Jurassic carbonate hosted barite deposit, NE Zakho, Jour. of Kirkuk University, Vol.6, No.2.

**Tobia, F.H.**, Kettanah, Y.A., Mustafa, M.M., 2014, Petrography and geochemistry of Ga'ara sedimentary ironstones, Western Desert of Iraq, Jour. African Earth Sciences 97: 261–272.

**Tobia, F.H.,** Aswad, KH.J. 2014, Petrography and geochemistry of Jurassic sandstones, Western Desert, Iraq. Arabian Journal of Geosciences 7. DOI 10.1007/s12517-014-1392-0

**Tobia, F.H.,** Aqrawi, A. M., 2016, Geochemistry of rare earth elements in carbonate rocks of the Mirga Mir Formation (Lower Triassic), Kurdistan Region, Iraq. Arabian Journal of Geosciences 9 (4). DOI 10.1007/s12517-015-2148-1

**Tobia, F.H.,** Shangola, S.S., 2016, Mineralogy, geochemistry and depositional environment of the Beduh Shale (Lower Triassic), Northern Thrust Zone, Iraq, Turkish Journal of Earth Science 25: 367-391.

**Tobia F.H.,** Mustafa B.H., 2016, Geochemistry and mineralogy of the Al-rich shale from Baluti formation, Iraqi Kurdistan region: implications for weathering and provenance. Arabian Journal of Geosciences 9 (20), DOI 10.1007/s12517-016-2762-6

**Tobia F.H.,** Kafy R.H., 2016, Provenance of heavy minerals from recent sediments of Balakyan River, Kurdistan Region, Iraq, Journal of Zankoy Sulaimani 18(4): 147-167.

**Tobia F.H.,** Mustafa B.H., Shangola S.S., Kasha M.U., 2017, Mineralogical and geochemical comparison between the shales of Beduh and Baluti formations in the northern thrust zone, Kurdistan region, Iraq: implication for provenance and tectonic setting, Iraqi Geological Journal 50(2): 1-23.

**Tobia F.H.,** 2018, Stable isotope and rare earth element geochemistry of the Baluti carbonates (Upper Triassic), Northern Iraq, Geosciences Journal 22 (6): 975-987.

**Tobia F.H.,** Al-Jaleel H.S., Ahmad I.N., 2018, Provenance and depositional environment of the Middle-Upper Jurassic shales, Northern Iraq, Geosciences Journal, https://doi.org/10.1007/s12303-018-0072-6.

**Tobia F.H.,** Shangola, S.S., 2019, Geochemistry of sandstones from Beduh formation in Northern Thrust Zone, Kurdistan Region, northern Iraq: provenance and tectonic setting, Iraqi Geological Journal 52(1): 15-39.

**Tobia F.H.,** Mustafa B.H., 2019, Provenance and depositional environment of the carbonates from Baluti Formation (Late Triassic), Kurdistan Region, Iraq, Iraqi Geological Journal 52(2): 18-35.

Mustafa R.K., **Tobia F.H.,** 2020, Geochemical application in unraveling paleo-weathering, provenance and environmental setting of the shale from Chia Gara Formation, Kurdistan Region, Iraq, Iraqi Geological Journal 53(1A): 90-116.

**Tobia F.H.,** Al-Bassam K.S., Tamar-Agha M.Y., 2019, The sedimentary ironstone deposits in the Western Desert of Iraq: an overview, Iraqi Bulletin of Geology and Mining 8: 101-124.

**Tobia F.H.,** Al-Jaleel H.S., Rasul A.K., 2020, Elemental and isotopic geochemistry of carbonate rocks from the Pila Spi Formation (Middle-Late Eocene), Kurdistan Region, Northern Iraq: implication for depositional environment. Arabian Journal of Geosciences 13. https://doi.org/10.1007/s12517-020-05884-9

**Tobia F.H.,** Al-Jaleel H.S., Ahmad I.N., 2021, Stable isotope excursions in the Jurassic carbonate System, Imbricated Zone, Northern Iraq. Arabian Journal of Geosciences 14. https://doi.org/10.1007/s12517-021-08651-6

**Tobia F.H.,** Mustafa R.K., 2022, Geochemical and clay mineralogical characteristics of the black shale and constrains on diagenesis and Maturation, Chia Gara Formation, Iraqi Kurdistan Region, Iraq, Iraqi Geological Journal 55(1B): 23-37.

Kafy R.H., **Tobia F.H.,** 2022, Geochemical signatures of provenance, chemical weathering, and tectonic setting in the Greater Zab River sediments, Iraqi Kurdistan Region. Arabian Journal of Geosciences 15. <https://doi.org/10.1007/s12517-022-10823-x>

**Conferences and courses attended**

* Iraqi Geological Conference 16th Baghdad 26-27/4/2017
* Geokurdistan 3rd Sulaimani 5-7/12/2017
* Geology of the Iraqi Western Desert and its natural resources Conference Baghdad 18-19/4/2018
* Iraqi Geological Conference 17th Baghdad 24-25/4/2019
* GeoKurdistan 4th Sulaimani 8-10/10/2019
* GeoBasrah 1st Basrah 15-17/3/2022

**Funding and academic awards**

* List any bursaries, scholarships, travel grants or other sources of funding that you were awarded for research projects or to attend meetings or conferences.

**Professional memberships**

* List any membership you hold of any professional body or learned society relevant to your research or other life activities.

**Professional Social Network Accounts:**

* Research Gate: https://www.researchgate.net/profile/Faraj\_Tobia/stats/report/weekly/2018-04-29
* Linked in: <https://www.linkedin.com/in/faraj-tobia-580325123/>
* Google Scholar: <https://scholar.google.com/citations?hl=en&user=lBIIyG0AAAAJ>
* Orcid: https://orcid.org/0000-0002-5476-0289