Prof. Fowzia H. Abdullah Associate Professor, Office Director of Alnaft Alsakhri

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Personal Statement:

Dedicated Associate Professor with extensive experience in the field of Earth and Environmental Sciences. Passionate about petroleum geology and committed to advancing education and research in the industry. Recognized for leadership, expertise, and contributions to academic and professional communities.

Education:

- PhD and DIC in Organic Geochemistry in Petroleum Exploration, Imperial College-London University, 1993
- MSc. in Petroleum Geology, Kuwait University
- BSc. in Geology, Kuwait University

Employment and other Roles:

- Associate Professor, Earth and Environmental Department, Kuwait University 1993 present
- Scientific Visitor, Institute Français du Pétrole, 2000
- Part-time Consultant, Kuwait Institute of Scientific Research- Petroleum Centre (8 years)
- Established petroleum consultation office, "Alnaft Alsakhri," 2018

Key Achievements:

- Recipient of AAPG Distinguished Service Award, 2017
- Selected as one of the top three Academic Leader Women in the Oil Industry by LEWAS Leadership Excellence for Women Award, 2019
- Winner of the Grover E. Murry Memorial Distinguished Educator Award, to be awarded at AAPG IMAGE international meeting, August 2024

Professional Activities:

- Convenor, Petroleum Geology Program, Kuwait University
- Director, Nanoscopy Science Center (NSC), Kuwait University, 2 years
- Director, Joint Master Program in Petroleum Engineering and GeoScience, Kuwait University, 5 years
- Faculty Advisor, AAPG Student Chapter, Kuwait University, 8 years
- Advisor Member, AAPG Middle East Region, 5 years

Research Activities:

- Published author with work on Organic Geochemistry, Source Rock Evaluation, Core analysis, Reservoir Evaluation, Carbonate Reservoirs and Basin Modelling published in International Journals
- Presenter at more than 30 local and international conferences
- Reviewer for numerous papers in international and local journals
- Member and reviewer of technical committees in international conferences (SPE, EAGE, AAPG)

Published Papers in International Journals

F. Abdullah, F. Shaaban, F. Khalaf, F. Bahman and B. Akbar, 2023, Petrography, Sedimentology, Palynomorphs and Diagenesis of the Paleozoic Khuff and Unayzah formations in Kuwait, DOI:

- https://doi.org/10.1016/j.geoen.2023.211430, Geoenergy Science and Engineering, Volume 223, April 2023, 211430.
- Fatma K. Bahman, **Fowzia H. Abdullah**, Abbas Saleh , Hossein Alimi, 2022, Organic geochemical and petrographical characteristics of the major lower cretaceous petroleum source rock (Makhul Formation) in Kuwait Arabian Gulf, Kuwait J.Sci., Vol.49, No.(1), January. 2022, pp(1-25).
- **Fowzia Abdullah**, 2021, Geology of the Arabian Gulf and Failaka Island-Review, Dilmun Journal, Bahrain Historical & Archeological Society, Kingdom of Bahrain, V. 29, p. 7-26.
- **F. Abdullah,** 2021, Porosity and Permeability of a Karst Carbonate Rocks along Unconformity Outcrop: A case study from the Upper Dammam Formation Exposure in Kuwait, Arabian Gulf, Heliyon, V. 7, e07444, p. 1-14
- **F. Abdullah,** F. Shaaban, A. Al-Khamis, F. Khalaf, F. Bahman, B. Akbar, 2021, Evaluation of Paleozoic Source Rocks in Kuwait, AAPG Bull, V. 105, No. 4, p. 721-748
- **F. Abdullah**, F. Shaaban , F. Khalaf, F. Bahaman, B. Akbar , A. El-Khamis, 2017, Petrophysics and Hydrocarbon potential of Paleozoic Rocks in Kuwait, Journal of Asian Earth Sciences, v. 15, pp. 105-120
- Khalaf, F., <u>Abdullah F.H.</u>, Gharib, I.M., 2017, Petrography, diagenesis and isotope geochemistry of dolostones and dolocretes in the Eocene Dammam Formation, Kuwait, Arabian Gulf, Carbonates and Evaporites, DOI 10.1007/s13146-016-0330-5, pp. 1-19.
- **Abdullah F.H.**, and T. El Gezeery, 2016, Organic geochemical evaluation of hydrocarbons in Lower Cretaceous Middle Minagish reservoir, Kuwait, Marine and Petroleum Geology, Vol 71, p. 41-54.
- Alsharhan, A. S., C. J. Strohmenger, <u>F. H. Abdullah</u>, and G. Al Sahlan, 2014, "Mesozoic stratigraphic evolution and hydrocarbon habitats of Kuwait", *in* L. Marlow, C. Kendall, and L. Yose, eds., Petroleum systems of the Tethyan region: AAPG Memoir 106, p. 541–611.
- Khalaf, F. and <u>Abdullah F.H.</u>, 2014, Occurrence of diagenetic alunites within karst cavities infill of the Dammam Formation, Ahmadi, Kuwait: an indicator for hydrocarbon gas seeps. Arab J GeoScience, p 1-8.
- Khalaf, F. and <u>Abdullah F.H.</u>, 2013, Cavity-fill dolocrete in the karstified Eocene Dammam Formation, Kuwait, GeoDerma, 207-208, p 58-65.
- Rao, K.S., H.K. Al-Jassar, <u>F.H. Abdullah</u>, J. Al-Kanderi, M. Al-Saeed and A. Al-Kandari, 2011, Least square approach for time series analysis of land subsidence ober Greater Burgan Oil Field, Kuwait, using Syntheric Aperture Radar Interferometry, Kuwait Journal of Science & Engineering, No 1A, Vol 38, pp. 141-171.
- Qabazard, S., <u>Abdullah, F.H.</u> and A. Al-Temeemi, 2009, Geochemistry and Nature of Organic matter of Pleistocene/Holocene Carbonate-Evaporite sediments in the Khiran area, southern coast of Kuwait, in: A. Alsharhan and <u>C.G.St.</u>C. Kendall, "Evaportie stratigraphy, structure and geochemistry, and their role in hydrocarbon exploration". Sedimentology, Special Issue.

Abdullah, F.H., Saad, H.R., Farhan, A.R., Sharma, M.M., 2008, Investigation of Naturally Occurring Radioactive Materials (NORM) in oil fields and oil Lakes in Kuwait, Society of Petroleum Engineers - 9th International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production 2008 - "In Search of Sustainable Excellence" 1, pp. 456-461

<u>Abdullah, F.H.</u>, B. Carpentier, I. Kowalewski, F. van Buchem, A.Y. Huc, 2005, Organic matter identification in source and reservoir carbonate in the Upper Cretaceous Mauddud Formation in Kuwait, GeoArabia: Middle East Petroleum Geosciences, v. 10, no. 4, p 17-34

<u>Abdullah, F.H.</u>, B. Carpentier, I. Kowalewski, A.Y. Huc, 2005, Organic geochemical approach in carbonate-clastic source-reservoir succession, Kuwait Journal of Science and Engineering, v. 2, pp. 101-117

Abdullah, F.H. and J. Connan, 2002, Geochemical study of some Cretaceous rocks from Kuwait: comparison with oils from Cretaceous and Jurassic reservoirs, Organic Geochemistry, Vol. 33 (2) pp. 125-148

<u>Abdullah, F.H.</u>, 2001, A preliminary Evaluation of Jurassic Source Rock Potential in Kuwait, Journal of Petroleum Geology, Vol 24 (3), pp 361-378

<u>Abdullah, F.H.A.</u>, P.J.R. Nederlof, M.P. Ormerod, R.R. Kinghorn, 1997: Thermal history of the Lower and Middle Cretaceous source rocks in Kuwait, GeoArabia: Middle East Petroleum Geosciences, v. 2, no. 2, pp. 151-164

<u>Abdullah, F.H.A.</u>, and R.R.F. Kinghorn, 1996 "A preliminary evaluation of Lower and Middle Cretaceous source rocks in Kuwait". Journal of Petroleum Geology, Vol. 19 (4), pp 461-481.

Master Thesis Supervised

Suad Abdul Kareem Qabazard: "A geochemical and Mineralogical Studies of recent oolite of Al-Khiran and Cretaceous oolite of Al-Minagish Formation in Kuwait"- 2000.

Fatma Khaleel Bahman: "Geochemical studies and source rock potential of Lower Cretaceous (Upper Hith, Sulaiy, Lower Minagish) Formations in Kuwait"-2005.

Dalal Ahmed Mohammed: "Petro physical and source rock potential evaluation of the Lower Najmah Formation in west Kuwait", 2017.

Fatema Ali Al Naqi: "Sedimentological and Depositional Environment of Third Sand Upper in Part of Greater Burgan Field, Kuwait", started March 2015, ended Dec 2019.

Ghadeer Boland: "Geological Characterization of the Upper Cretaceous Tuba Carbonate Reservoir, Sabriyah Field, North Kuwait" started 2016- end Dec 2019.

Seham Al Rasheedi: Geologic Characterization of unconventional Najmah formation, South Kuwait, Ongoing thesis project, started 2024

Final Project Supervised for Master Students:

Hussein Safar, "Qualitative and Quantitative Evaluation of Porosity in Burgan Clastic Formation in Greater Burgan Field, 2024

Abrar Al-Bloushi "Building Geostatic Model of Najmah-Sargelu Formation in West Kuwait" May 2017

Emad Fahad Al-Emairah "Oil Pipe Scaling", Feb 2019

Khaled AlEnaizi "Scale Inhibitor Evaluation", Feb 2019

Sally Elsayed Ghazi "Permeability Prediction for Burgan Clastic Reservoir Using Comparative Rock Typing Methods", Dec 2019.

Other Professional or Scientific Activities

- -Organizing online lectures with Schlumberger for the department of Earth and Environmental Science on 31st Jan 2021, 17th Feb 2021.
- Supervising Undergraduate Petroleum Geology Students to share a talk in the first Emerging Professionals Forum 2019, Reaching out to the Young Talent of Kuwait, organized by KOC, Kuwait Oil Company, 16th October, Ahmed Al-Jaber Oil and Gas Exhibition, conducted as part of Kuwait Oil and Gas Show and Conference KOGS, 13-16 Oct 2019
- Organizing and supervising a Geologic field trip to Anjefa Beach for the High schools Supervisors from Ministry of Education, Monday 19th February 2018.
- -Cooperation with UAE University to send Geologic Students for the "Winter Geologic Camp" organized by UAE University, February 2018.
- -Organizing and supervising a Geologic field trip to Jal Azzor Area KISR-PRC Geology researchers, 14th December 2017.
- -Part time consultation for KISR, Kuwait Institution for Scientific Research, Petroleum Center, since December 2015.
- -Organizing a workshop "Source Rock of the Middle East" AAPG Middle East Region Events, 25-27 January 2016, Abu Dhabi
- -Preparing Manual and leading a field trip on "Siliciclastic Rock Exposures in Kuwait, Anjefa Beach and Jal Az-Zor areas, in association with "Siliciclastic Reservoirs of the Middle East" AAPG Geosciences Technology Workshop, 23-25 March 2015, Kuwait, Hilton Resort.
- -Supervising students for IBA-YPSS summit in Oman 2015
- -Organizing the summer course 408 for Petroleum Geology Program with Schlumberger and Halliburton, Summer 2012, 2013, 2014, 2016

- -Cooperating with Schlumberger to donate a computer Lab with petrel software for teaching and research purpose in the Earth and Departmental Department, 2012
- -Advisor for the **IBA-AAPG** competition in Petroleum Geology, 2012, 2013, 2016 between Middle East Universities.
- -Advisor for Kuwait Oil Company KOC, Research and Technology Group, November 2009-November 2010.