

CURRICULUM VITAE

Ahmad Aldahik, PhD

Email: aadahik@hotmail.com

Phone: (974) 66094201

DOB: 01-03-1978

Married

Address: Tech 1, Level 2

Qatar Science & Technology Park

Al Gharafah Street

P.O. Box: 3212

Doha, Qatar

EDUCATION

- 2010: PhD in Petroleum Geochemistry from Technische Universität Berlin (TU Berlin), Germany. PhD thesis (Crude Oil Families in the Euphrates Graben Petroleum System).
- 2003: Diploma in Petroleum Engineering, University of Homs, Syria

WORK EXPERIENCE

- Oct.2011-Now: Senior Researcher (Geochemistry) at Qatar Petroleum Research and Technology Centre.
 - Define & lead the research activities in Fluid Characterization Research Theme Area.
 - Build capabilities in fluid geochemistry (e.g. High Resolution GC; Multi Dimensional GC; GCMSD)
 - Geochemical tools (Chem Staion; ChromEdge; GWIS; IMS Lite)
 - Transfer promising technology for hydrocarbon profiling from biomedical research area to boost the oil fingerprinting
- Jan.2011-Oct.2011: Docent at Petroleum Engineering faculty, Homs University, Syria.
 - Teaching petroleum geochemistry for undergraduates
 - Petroleum geochemistry applications for exploration and production for diploma students
- Apr. 2005-Jan.2011: Researcher at Helmholtz Centre Potsdam - GFZ German Research Centre for Geosciences
 - Geochemical characterization of oil and gas using conventional analytical tools in gas (e.g. GCFID; GCMS; GCMSMS; Pyrolysis GC) and liquid chromatography (e.g. MPLC).
 - Stable isotopes of carbon and hydrogen (GCIRMS)
 - Geochemical tools (Chem Staion, Xcalibur, Kinetics GUI; KMOD)
 - Statistical tools (SPSS; Sirius Pro7)
- Apr.2003-Nov.2004: Research Assistant at Petroleum Engineering faculty, Homs University, Syria.
 - Teaching petroleum geochemistry for undergraduates
- Aug.2001-Apr.2003: Petroleum Engineer at Homs Refinery Company, Syria

SELECTED COURSES

- Basin modeling and organic geochemistry in petroleum exploration
- Petroleum System Evaluation: Fluid Compositional Prediction
- Establishing petroleum systems using biomarkers and chemometrics
- Reservoir Engineering for Non-reservoir Engineers

- PVT Analysis
- Project Management
- Coaching Practice

MEMBERSHIPS

- SPE (Society of Petroleum Engineers)
- EAGE (European Association for Geoscientists and Engineers)

OTHER ACTIVITIES

- 2015: Technical Committee Member SPE/EAGE workshop of Tar Mats and Heavy Oils (Nov. 2016, Muscat)
- 2015: Technical Committee Member of first EAGE workshop of Petroleum Geochemistry in Operations and Production (Oct. 2016, Doha)
- 2014: Technical Committee Member of IPTC (International Petroleum Technology Conference, Dec. 2015, Doha)
- 2009-2010: Member of board for Syrian students community in Germany
- 2009: Chairman of the first scientific congress of Syrian doctorates in Germany SMSS (Feb, 2009, TU Berlin)

LANGUAGES

- Languages: Arabic (mother tongue), English (fluent), German (v. good)

SELECTED PATENTS

Inventors: **Al-Dahik**, Al-Mohannadi, Dessort, Chenevière, Chapron and Hassard, (2014). The Rapid Petroleomic Profiler: Profiling Apparatus and Method. United Kingdom (Application# GB1404756.7)

SELECTED PUBLICATIONS

1. **Aldahik, A.** 2013, 2014, 2015, 2016: unpublished technical reports.
2. Fatima Mahdaoui, **Ahmad Aldahik** and Frank Haeseler (2016): Petroleum geochemistry serving oil fields production. Qatar Foundation Annual Research Conference ARC'16.
3. **Ahmad Aldahik**, Heinz Wilkes, Hans-Martin Schulz, Brian Horsfield, Wilhelm Dominik, Peter Nederlof. (2015). The Euphrates Graben Petroleum System, Syria - Oil Families Classification (Journal article, under prep.).
4. **Ahmad Aldahik**, Jurgen Foeken, Nasir Arijo, Saqer Al-Shahwani and Dominique Guérillot (2015): Stable Isotope Geochemistry for Tracing Origin of Gas Leakage behind Casing (Journal article, under prep.).
5. **Aldahik, A.**, Macdonald, I., Al-Mohannadi, N. (2014) : Qatar Carbonates and Carbon Storage Research Centre: A summary of 5 years progress in targeted CCS research. Inter-regional Workshop on Energy Efficiency, Renewable Energies and CCS, 14-15 December, Doha, Qatar.
6. **Aldahik, A.**, Jedaan, N., Foeken, J. P. T., AlEmadi, A., AlShahwani, S., & AlMohannadi, N. (2014). Reservoir Oil Characterization in Bul Hanine Field Using Oil Fingerprinting Technology. Book of Abstracts, 11th Middle East Geosciences Conference and Exhibition, Geo, Manama, Bahrain.
7. **Aldahik, A.**, Arijo, N., Foeken, J. P. T., AlBinali, M., Ganz, H., Teglaar, E., Djojoseparto, R., & AlMohannadi, N. (2014). Geochemical Fingerprinting- An Innovative Approach to Determine Oil Origin Channeling to Annuli. Book of Abstracts, 11th Middle East Geosciences Conference and Exhibition, Geo, Manama, Bahrain.

8. **Aldahik, A.**, Foeken, J. P. T., & AlMohannadi, N. (2013). Oil Fingerprinting and its Application in Qatar Petroleum. Qatar Foundation Annual Research Forum, Doha, Qatar.
9. **Aldahik, A.**, Wilkes, H., Schulz, H. M., Horsfield, B., Dominik, W., & Nederlof, P. (2009). Geochemical Investigations of Crude Oils in the Euphrates Graben, Syria. Book of Abstracts, 24th International Meeting on Organic Geochemistry, IMOG , Bremen, Germany.
10. **Aldahik, A.**, Wilkes, H., Schulz, H. M, Horsfield, B., Dominik, W., & Nederlof, P. (2008). Geochemical Characteristics of Crude Oils in the Euphrates Graben, Syria. The Third Annual Ph.D Day at GFZ GeoForschungZentrum Potsdam , Potsdam, Germany.
11. **Aldahik, A.**, Wilkes, H., Schulz, H. M., Horsfield, B., Dominik, W., Nederlof, P., & Dransfield, M. (2008). Crude oil families and mixing in the Euphrates Graben, Syria. 5th General Assembly European Geosciences Union, EGU, Vienna, Austria.
12. **Aldahik, A.**, Wilkes, H., Schulz, H. M., Horsfield, B., Dominik, W., Nederlof, P., & Dransfield, M. (2008). Silurian Tanf Formation: Prospectivity in the Euphrates Graben Petroleum System, Syria. Book of Abstracts, 8th Middle East Geosciences Conference and Exhibition, Geo, Manama, Bahrain.
13. **Aldahik, A.**, Wilkes, H., Schulz, H. M., Horsfield, B., Dominik, W., & Nederlof, P. (2007). Oil Families in the Euphrates Graben, Syria. Book of Abstracts, 23rd International Meeting on Organic Geochemistry, IMOG, Devon, United Kingdom.
14. **Aldahik, A.**, Wilkes, H., Horsfield, B., Dominik, W., & Nederlof, P. (2006). Oil Families in the Euphrates Graben, Syria. The First Annual Ph.D Day at GeoForschungZentrum Potsdam GFZ, Potsdam, Germany.

REFERENCES

Name	E-mail	Tel. Number
Frank Haessler	frank.haeseler@total.com	+97450304431
Brian Horsfield	horsf@gfz-potsdam.de	+49 (0)331 288 1780
Herwig Ganz	herwig.ganz@shell.com	+918040217971
Daniel Dessort	mzgeochem@gmail.com	+33 695755571
Dominique Guérillot	dominique.guerillot@tamu.edu	+974 30109697
Heinz Wilkes	heinz.wilkes@uni-oldenburg.de	+49-(0)441-798-5359