

FATHI SHAQOUR

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Education

1998 Post Graduate Certificate in Eng. Management, RMIT, School of Engineering, Australia

1990 PhD, Eng.Geology, University of Leeds, UK:

1980 M.Sc. (Hydrogeology), B.Sc. Geology, University of Jordan, Amman,

Profile

I have a PhD in Engineering Geology from **Leeds University of UK** and a certificate in Engineering Management from **RMIT-Australia**. **I have strong technical background on geotechnical engineering, engineering geology, hydrogeology and material engineering.** My career path covered lecturing at different universities in Australia and the Middle East (mainly Jordan). It also covered engineering geological applications, ground engineering including drilling and site investigations, and assisting junior and senior staff members. I have produced many reports, presentations individually and as part of a multi-disciplinary project team. I published high standard research articles in reputed international journals. I have reviewed many articles to the journal of Engineering Geology and other journals on various geotechnical aspects including soft soils and clays.

Skills:

- Strong technical and managerial skills in Engineering Geology and geotechnical engineering,
- Strong technical and analytical skills with well-developed proposal and report writing
- Supervision of laboratory and field geotechnical testing,
- Site investigation for geotechnical, environmental and hydrogeological assessment,
- Excellent training skills to very high standard,
- Adaptive and proactive approach to tasks with excellent oral and written communication skills
- Ability to learn new skills and exchange experience with other professionals,
- Computer Skills; Microsoft: Word, Excel, PowerPoint, Corel Draw and Global Mapper

Accomplishments

- Supervised projects and trained a number of employees,
- Produced many proposals for geotechnical, environmental and hydrogeological projects and timely execute them upon completion to high standards.
- Executed environmental, geotechnical and hydrogeological projects, and gave presentations to international conferences.
- Presentation of scientific achievements to international conferences and professional societies,
- Author and co-author of several professional technical reports, a text book: General Geology,

Administrative/professional activities

- Project manager to many projects
- Member: Environmental Standards Committee / Jordan
- Project co-ordinator, Delft University/UNISCO and Birzeit University
- Editor / Reviewer: Engineering Geology research papers

Results and achievements:

- Training students on geotechnical hands on testing
- Production of research reports and publications,
- Solving technical problems related to hydrogeological and geo-mechanical research,

Consulting Experience:

Coffey Geotech., All-Metro-Geotech. -Australia

(Part time)

2008 - 2011

- Project management, Writing proposals and reports for different projects in Melbourne and other parts of Victoria including, geotechnical site investigation, environmental assessment and site investigation.

- Carrying out comprehensive geotechnical, environmental and hydrogeological investigations,

Hydrotech International - Jordan

(Part time)

2002 – 2006

- Consultant hydrogeologist: Impacts of Gulf war on groundwater basins in Jordan,

- Project planning, training and capacity building,
- Site investigation,
- Water well design, supervision of drilling and aquifer testing

Dames & Moore/Harza Engineering

Prior 2000

- Study of hydrological and environmental issues of Daylesford Catchments -Melbourne -Australia
- Run Courses in Engineering Geology for graduate students and engineers/Australia
- Site investigation, evaluation of house damages due to soil expansion and earth works
- Design and supervision of dewatering systems, deep excavations and backfilling,
- Supervision of micro tunneling works (trenchless pipe lying),
- Geological and hydrogeological investigations for dam sites, drilling water wells, aquifer testing,

Professional training

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| Training sessions for undergraduate and graduate students | 2006-2009 |
| Training Water Engineers on water well technology, USAID, Amman-Jordan, | |
| Project Coordinator and Trainer and short course on groundwater exploration, Birzeit University | 2002 |
| Blue plan EU, workshop on collecting and managing water statistics, Cannes, France. | 2000 |

Conferences

- 2017 Soil Science Annual Congress, Madrid, Spain, Dec., 4-5
- 2009-2017 Number of local public lectures
- 2009 SSEE, Melbourne: International conference on sustainability of groundwater resources
- 2006 5th Jordanian Geological conference, Amman - Jordan
- 2000 Blue plan, EU, Meeting on water statistics, Cannes, France, June 28th July 4th.
- 1994 12th Australian Geological Conference, Perth, Australia.
- 1992 1st Symposium on Water Problem in the Middle East, Amman, Jordan.
- 1991 4th Geo Conference, Amman, Jordan. Environmental Impact of Rising Groundwater under Cities
- 1989 1st Regional Conference on Civil Engineering, Bahrain. Direct Shear Strength of Cemented Sands
- 1988 2nd European Conference on Cone Penetration Testing, Birmingham, United Kingdom
- 1987 1st Conference on the Quaternary Deposits of the Mesopotamian Area, Kuwait
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Membership: International Association of Engineering Geology (IAEG), International Association of Hydrogeology (IAH) Australia, IMM, United Kingdom, Jordan Geological Association (JGA)

Publications

1. Ismeik, M. **Shaqour, F.**, 2018. Effectiveness of lime in stabilizing subgrade soils subjected to freeze-thaw cycles. Road Materials and Pavement Design. DOI: 10.1080/14680629.2018.1479289.
2. **Shaqour, F.** Ismeik, M. and Eseifan, M., 2017. Alkali-activation of natural clay using Ca(OH)₂/Na₂CO₃ alkaline mixture. Clay Minerals-Journal of fine particle science. Clay Minerals, (2017) 52, 485–496.
3. **Shaqour, F.**, Ta'any R, Rimawi O, Saffarini, G., 2016. Quantifying Specific Capacity and Salinity Variability in Amman- Zarqa Basin, Central Jordan, Using Empirical Statistical and Geostatistical Techniques, Environmental Monitoring and assessment, 188:1-17
4. Ismeik, M and **Shaqour, F.** Seismic lateral earth pressure analysis of retaining walls. Geomechanics and Engineering; 8(4):523-540. DOI:10.12989/gae.2015.8.4.52.
5. Quisi, M, Abed, A., Mashal, K., Saffarini, G., and **Shaqour, F.**, 2015. Hydrogeochemistry of karstic limestone aquifer - arsenic contamination-case study from Jordan, Arab J Geosci., DOI 10.1007/s12517-015-1919-z
6. Safarini, G., Abed, A. Jarrar, G., & **Shaqour, F.** (2012). General Geology.
7. Harald, G. Dill, Hahne, K and Shaqour, F. (2012). Anatomy of landslides along the Dead Sea Transform Fault System in NW Jordan, Geomorphology 141-142 (134-149)
8. **Shaqour, F.**, White, S. and Webb, J. (2011). Geotechnical characterization of zeolitic tuff from Jordan, Bulletin of Engineering Geology, Bull Eng Geol Environ, 70:691–697, DOI 10.1007/s10064-011-0375-6
9. **Shaqour, F.**, Hashem, I. and Webb, J. (2009). Influence of the Gulf Wars on the sustainability of groundwater resources in Jordan, proceedings SSEE Conference, Engineers Australia, 2009: [133]-[145] Melbourne, Australia.

10. **Shaqour, F.**, Jarrar, G., Hencher, S. And Kuisi, M. (2008). Geotechnical and mineralogical characterization of marl deposits in Jordan, *Environmental Geology*, Vol. 55, No.8. pp. 1777-1783 (IF 1.026, Rank 54/163)
11. **Shaqour, F. and** Hasan.,M, Syed E. (2008). Groundwater control for construction purposes, case study from Kuwait *Journal: Environmental Geology*, ISSN: 0943-0105, Vol. 53, Issue: 8, pp. 1603-1613. (IF 1.026, Rank 54/163)
12. **Shaqour, F.**, (2007). Cone penetration resistance of calcareous sands, *Bulletin of Engineering Geology and the Environment*, Vol. 66, No.1, pp. 59-70 (IF 0.627 Rank 15/25)
13. **Shaqour, F.**, (2006). Ground Anchors in an Aggressive Hydro-Environment, *Bulletin of Engineering Geology and the Environment*, Vol. 65, No.1
14. Kuisi, M., Al-Naqa, A. and **Shaqour, F.** (2005). Improvement of dam foundation using grouting intensity number (GIN) technique at Tannur dam site, South Jordan, *Electronic Journal of Geotechnical Engineering. EJGE, Vol. 10*, Bundle A
15. **Shaqour, F.**, (2004). Hydro-compaction of natural sand fills, *Electronic Journal of Geotechnical Engineering, EJGE Vol. 9, Bundle. D*
16. Argent, R and **Shaqour, F.** (1998). Hydrogeological and Environmental assessment for water reservoirs of Daylesford area / North of Melbourne City, Australia. Centre for Environmental and Applied Hydrology, Dept. of Civil and Environmental Engineering, Melbourne University, Australia
17. **Shaqour, F.**, (1994). [Hydrogeological role in sinkhole development in the desert of Kuwait](#), *Environmental Geology*, Vol. 23, No.3, pp. 201-208
18. **Shaqour, F.** and Al-Sanad, H., (1992) Hydro-behavior of Middle Eastern desert soils, *Journal of Hydrology*, Vol. 138, No. 1-2, pp.: 41-52 (IF 2.305 Rank 3/91)
19. Al-Sanad, H.A, **Shaqour, F.M**, Hencher S. R. & Lumsden A. C. (1991). Geotechnical implications of subsurface water rise in Kuwait, *Engineering Geology Journal*, Vol. 31, No.1, pp. 59-69 (IF 1.195 Rank 4/25)
20. Al-Sanad, H.A., **Shaqour, F.M.**, Hencher, S.R. and Lumsden A.C. (1990). The influence of changing groundwater levels on the geotechnical behavior of desert sand, *Quarterly Journal of Engineering Geology*, Vol. 23, No.4, pp. 357-364 (IF 0.919 Rank 10/25)
21. Al-Sanad, H.A., **Shaqour, F.M.**, Hencher, S.R. (1989). The shear strength of salt cemented sands, *Proceedings of the First Conference in Civil. Engineering, University of Bahrain, Bahrain*

References:

To be provided upon request