

C.V.

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Marital Status: Married

EDUCATION

January 2014 – February 2021	Doctorate (Geotechnical Engineering) Memorial University, St. John's, NL, Canada
January 2006 - January 2008	Master's Degree (Civil Engineering-Geotechnical Eng.) Carleton University, Ottawa, ON, Canada
January 2002 - January 2004	Master's Degree Courses (completed all required courses in Geological Engineering-Geotechnical Eng.) University of Tripoli, Libya
January 1991 - April 1996	Bachelor's Degree (Geological Engineering) University of Tripoli, Libya

EXPERIENCE

2021- up to now	A staff member at Geological Eng. Dep., University Tripoli, Tripoli-Libya.
2023- up to now	Laboratories Coordinator at the College of Engineering, University of Tripoli, Tripoli-Libya.
2022- up to now	Laboratories Coordinator at the Geological Eng. Dep., University of Tripoli, Tripoli-Libya.
2009 - 2013	Geotechnical Branch Coordinator at Geological Eng. Dep. University of Tripoli, Tripoli-Libya.
2008 - 2013	A staff member at Geological Eng. Dep., University Tripoli, Tripoli-Libya.
2000 – 2005	Demonstrator (Teacher assistant) at the Geological Eng. Dep., University of Tripoli: Holding assignments in teaching the lab of some courses supervising the laboratory testing of soil and rock mechanics and properties of construction materials.
1997-1998	A part-time job in the National Oil Corporation-Tripoli, in the technical information Management.

RESEARCH

Published papers

May 2023	Drained cyclic behaviour and state-dependent stress–dilatancy relationship of sand in direct simple shear tests, Soil Dynamics and Earthquake Engineering , Volume 168, 107801.
November 2021	Monotonic and cyclic behaviour of sand in direct simple shear test conditions considering low stresses, Soil Dynamics and Earthquake Engineering , Volume 150, 106931.
October 2019	Dynamic behaviour of dry sand in simple shear loading at a wide range of normal stresses, Canadian Geotechnical Conference , GeoSt. John’s, NL, Canada.
October 2017	Direct simple shear and triaxial compression tests on dense silica sand at low effective stress, Canadian Geotechnical Conference , Ottawa, ON, Canada.
July, 2011	Cyclic behaviour of reconstituted and desiccated–rewet thickened gold mine tailings in simple shear Seismic", Canadian Geotechnical Journal , 2011, 48:(7) 1044-1060.
April, 2009	Seismic Behaviour of a Thickened Gold Tailings, 12 th International Seminar on Paste and Thickened Tailings, Chile.
Sept, 2008	Liquefaction and post-liquefaction behaviour of gold mine tailings under simple shear loading”, Master thesis, Carleton University, Ottawa, Canada.
April, 2000	Correlation of point load and uniaxial compressive strength for soft rock, The third Jordan in an International Mining Conference.
April, 1997	A suggested empirical method for bearing capacity determination in jointed carbonate rock masses, The second Jordan in Mining Conference.

TEACHING EXPERIENCE

Teaching of the Following Geological Engineering Courses (from 2008)

- Physical Geology, Properties of Construction Materials, Soil Mechanics I & Soil Mechanics II, Geomechanics I & Geomechanics II, Geoengineering I & Geoengineering II, Site investigation, Special Topics (Reservoir geomechanics).
- Supervisor of a wide range of bachelor engineering projects at the geotechnical branch including laboratory testing of soil and rock mechanics, geotechnical modeling using finite element methods, foundation engineering design, and reservoir geomechanics.

CONSULTANT (selected projects)

- Geotechnical Investigation for Zliten City, University Engineering Consulting Office, Since February 2024.
- Geotechnical Investigation for 10 stories hotel in the Center of Tripoli, for Gold Tower Company, March 2023.
- Geotechnical Investigation for Assessment of Asphaltic Street (75km), In Al-Abya , Libya, for Golden Goal Office, work done by The-Earth-Tech Libya, February 2014.
- Geotechnical Investigation for Double Line Road (26km) in Az Zentan City- Libya , for Sary Company, work done by The-Earth-Tech Libya, December 2013.
- Geotechnical Investigation for Assessment of Asphaltic Street (70km), between Surman and Bir Eydi – Libya, for Golden Goal Office, work done by The-Earth-Tech Libya, August 2013.
- Evaluation of aggregate resources for the highway street pavement uses between Sirt and Ajdabyi, SNC-Lavalin- Canada (Libyan branch), 2011.
- Geotechnical investigation of Terhana proposed main tank 20,000 m³, National Group for Constructions Engineering, March 2010.
- Geotechnical investigation of A/100 Low Pressure Facilities & Arrival Manifold Modification Project at Bu-Attifel Oil Field in Libya. SICON Company LTd, 2009.
- Assessment of aggregate, cement, steel bars based on Laboratory tests for construction uses in A/100 Low Pressure Facilities & Arrival Manifold Modification Project at Bu-Attifel Oil Field in Libya. SICON Company LTd, 2009.
- Assessment of soil materials based on Laboratory tests for backfill uses, testes done in The Military Laboratories, CENGIZ Company, 2009
- Design and supervision of the pavement road in palm City, Itqan Company, 2009.
- Bearing capacity determination using Plate load tests for Al Agelat stadium foundation, Al Magharebia Co., 2009.

HONORS & AWARDS

- Recipient of a scholarship, Libyan Ministry of Education to pursue Postgraduate Training (PhD) in Canada, 2014.
- The master thesis was nominated for a Senate medal in recognition of the excellence of research work at Carleton University, Ottawa-Canada,2008.
- Recipient of a scholarship, Libyan Ministry of Education to pursue Postgraduate Training in Canada,2005.

LANGUAGE

Arabic & English

ACTIVITES

1997 up to now

Member of Engineers Association, Tripoli-Libya

2006 up to 2021

Member of Geotechnical Engineering Association, Ottawa-Canada, student membership,

October 2019

Peer reviewer at Canadian Geotechnical Conference, GeoSt. John's, NL, Canada