

## 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<sup>th</sup> 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 Februrury 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