

CURRICULUM VITAE

Wael M. N. Albawwab

**ASSISTANT PROFESSOR OF
GEOTECHNICAL EARTHQUAKE ENGINEERING**



Personal Data

- Nationality: Palestinian
- Birth Date: April 25, 1967
- Birth Place: Kuwait City – State of Kuwait
- Marital Status: Married (3 Children)
- Current Address: Sultanate of Oman – Buraimi City – Aljame' R. O.
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Objectives

- To join a creative group as a hard working geotechnical earthquake engineering specialist to utilize my field experiences and academic talents.
- To establish or join and develop a national scientific research center for seismic hazard potential triggering and analysis in the Arab World.
- To enhance and develop the academic perspectives in the various fields of civil engineering, and geotechnology and seismology, in particular.
- To widen and develop the social cultures and perspectives in the general fields of civil engineering, and geomechanics and earthquakes, in particular.

Education

- Sep. 2001 – Nov. 2005: Ph.D. in Civil Engineering – Middle East Technical University (METU) – Ankara – Turkey – (GPA: Excellence).
- Major: Geotechnical Earthquake Engineering.
- Main Topics: Numerical Solutions of Partial Differential Equations, Numerical Modeling in Geomechanics, Advanced Soil Mechanics I, Advanced Soil Mechanics II, Rock Mechanics, Geotechnical Investigations, Environmental Geotechnology, and Geotechnical Earthquake Engineering.
- Thesis: Probabilistic Assessment of Liquefaction Induced Lateral Spreading.

- Sep. 1992 – Oct. 1995: M.Sc. in Civil Engineering – The University of Baghdad – Baghdad – Iraq – (GPA: Very Good).
- Major: Soil Mechanics and Foundation Engineering.
- Main Topics: Soil Dynamics, Soil Improvement, Pavement Design, Earth Structures and Seepage, Advanced Engineering Analysis, Advanced Soil Mechanics, Advanced Soil Laboratory, and Advanced Foundation Design.
- Thesis: Buckling of Long Piles in Soft Soils.
- Sep. 1984 – Jan. 1989: B.Sc. in Civil Engineering – Kuwait University – Kuwait City – Kuwait – (GPA: Excellence – Honors' Degree).

Experience

- June 1988 – Aug. 1990: Site Engineer for private housing units and public dwelling projects, coordinator for the marketing and engineering usage of several admixture materials – Kuwait City – Kuwait.
- Sep. 1989 – Aug. 1990: Research Assistant in the field of transportation and highway engineering at the Department of Civil Engineering and Petroleum – Kuwait University – Kuwait City – Kuwait.
- Apr. 1992 – May 1996: Site Supervisor Engineer for private housing units and construction and infrastructure projects – Baghdad – Iraq.
- June 1996 – June 1998: Senior Site Engineer for several private construction projects and public infrastructure projects – Gaza – Palestine.
- June 1998 – Aug. 1999: Senior Site Manager for several private and public construction and infrastructure projects – Mosul – Iraq.
- Oct. 1999 – March 2008: Academic Instructor at the Department of Engineering Science in the College of Science and Technology. Main Topics: Engineering Drawing, Shop Drawings, Engineering Mechanics: Statics, Engineering Mechanics: Dynamics, Strength of Materials, Structure Analysis, Building Materials with Laboratory, Concrete Technology, Construction Methods and Technologies, Soil Mechanics with Laboratory, Foundation Engineering, Site Training, and Final Graduation Projects – Ministry of Higher Education – Gaza Strip – Palestine.
- Oct. 1999 – March 2008: Academic Supervisor for the students of Building Engineering Bachelor Program at the Department of Engineering Science and Applied Arts in the College of Science and Technology – Ministry of Higher Education – Gaza Strip – Palestine.
- Feb. 2007 – March 2008: Head of the Department of Engineering Science and Applied Arts in the College of Science and Technology – Ministry of Higher Education – Gaza Strip – Palestine.
- June 2008 – Sep. 2009: Part-time Academic Instructor in the College of Applied Engineering and Architectural Planning at the University of Palestine. Main topics: Orientation to Engineering, Probability and Statistics, Numerical Analysis, Engineering Mechanics, Engineering Geology, Construction Materials and Technology, Fluid Mechanics, Hydraulics, Soil Mechanics with Laboratory, Foundation Engineering and

Design with Laboratory, Transportation Engineering: Traffic Engineering and Highway Design with Laboratory, Engineering Economy, Project Management, Cost Analysis, Project Scheduling and Control, Site Training, and Final Graduation Projects – Gaza Strip – Palestine.

- Sep. 2009 – Sep. 2010: Member of the consultancy and directory committee at the Institute of Occupational Safety and Health and an instructor for many workshops and specialized training courses – Gaza – Palestine.
- Sep. 2010 – Sep. 2012: Head of the Department of Applied Civil Engineering in the College of Applied Engineering and Architectural Planning at the University of Palestine – Gaza – Palestine.
- Sep. 2012 – June 2013: Dean of the College of Intermediate Studies at the University of Palestine – Gaza Strip – Palestine.
- Sep. 2008 – Aug. 2014: External Examiner: member of the awarding committee as an external examiner for The Degree of Masters of Science in Civil Engineering – The Islamic University – Gaza – Palestine.
- June 2006 – March 2008: General Secretary of the Employees Association at the College of Science and Technology – Gaza – Palestine.
- Oct. 1999 – Present: Commissioner: Member in several committees for strategic development planning, academic progress streaming and upgrading, project planning and evaluation, technical specifications and quality control, inquiry and discipline, safety standards and measures, social specialized awareness, employment oral and written examination, and the graduated student's comprehensive exam – Gaza – Palestine.
- Member in the Syndicate of Engineers in Kuwait City – Kuwait since 1989, in Baghdad – Iraq since 1992, and in Gaza – Palestine since 1994.
- Oct. 2014 – Present: Academic Instructor at the College of Engineering in the University of University (UoB). Main Topics: Engineering Mathematics, Numerical Methods, Differential Equations, Probability and Statistics, Engineering Economy, Technical Writing, Engineering Mechanics: Statics, Engineering Mechanics: Dynamics, Strength of Materials, Fluid Mechanics, Hydrology, Building Materials, Concrete Materials and Technology, Construction Methods and Technologies, Quantity Surveying, Earthquake Engineering, Airports Planning and Design, Bridge Engineering, Internship, and Final Graduation Projects – UoB – Buraimi – Oman.
- Main Academic and Research Fields of Interest: Soil Mechanics, Rock Mechanics, Foundation Engineering, Geotechnical Earthquake Engineering. Transportation Engineering: Traffic Analysis and Design, Transportation Engineering: Pavement Analysis and Design, and Internship.
- Oct. 2014 – Present: Member in several committees at UoB – COE: strategic development planning, academic progress streaming and upgrading, course outcomes assessment, inquiry and discipline, social committee activities, and the graduated student's comprehensive exam – University Graduation CEREMONU – Buraimi – Oman.
- May 2018 – Present: Specialized Member in the newly established national research committee for “Studying the most suitable locations in Oman for building space rocket launch stations” – Muscat – Oman.

Research Work

- "New Modeling Approaches for the Assessment of Seismic Liquefaction-Induced Lateral Ground Spreading Phenomenon", 2nd International Engineering Conference on Construction and Development, The Islamic University – Gaza – Palestine, June 2007.
- "Engineering Characteristics of Concrete Mixes with Local Components in Palestine", Gaza – Palestine (in progress).
- "Assessment of the Seismic Hazard Potentials in Gaza Strip", Gaza – Palestine (in progress).
- "Indexing of the Subsoil Characteristics in Gaza Strip", Gaza Strip – Palestine (in progress).
- Note: The recent papers are not complete yet due to the lack of specialized laboratories and reliable data compilations.

Extra Courses

- Advanced Course: "Cost Estimation and Pricing Methodologies" – Kuwait Engineers Syndicate – Kuwait City – Kuwait, 1989.
- Site Specialized Training Course: Tunneling and Dam Construction – Ministry of Public Works – Baghdad – Iraq, 1994.
- Bidding and Contracting Techniques: Documents and Strategies – Palestinian Chamber of Commerce and Industry– Gaza – Palestine, 1997.
- Rehabilitation of Existing Constructions: New Specifications for Special Needs and Requirements – Palestinian Engineers Syndicate – Gaza – Palestine, 1999.
- Formal Writing and Technical Reporting – Community College of Applied Science and Technology – Gaza – Palestine, 2006.
- Formal Reporting Methods and Techniques – CAREER Institute – Gaza – Palestine, 2009.
- Small Projects: Creation and Management and Sustainability – MAMED – Khanyounis – Palestine, 2011.
- Specialized Workshop: "Scientific Thinking & Language", Interactive Lectures for Graduate Students at the College of Engineering, University of Buraimi (UoB), Buraimi – Oman, since April 2017.
- Complex Analysis: "Geometric Functions Theory and Applications (GFTA)", Specialized Workshop, Oman Mathematics Committee (OMC) in collaboration with Nizwa College of Technology (NCT), Nizwa – Oman, 2017.
- Specialized Workshop: "Facilities Management", Interactive Lectures for Senior Administrative Employees within the Buraimi Governorate Government and Private Sector Entities, Buraimi – Oman, February 2018.
- Specialized Workshop: "Liquidated Damages and Penalty Provisions", Oman Society of Engineers (OSE) in collaboration with Oman RICS – CPD Program for Top Management Engineers, Muscat – Oman, May 2018.
- Specialized Consultant Member in the newly established national research committee for "Studying the most suitable locations in Oman for building space rocket launch stations" – Muscat – Oman, since May 2018 – Present.

Languages

- Arabic: Competent (reading, writing, listening and speaking)
- English: Competent (reading, writing, listening and speaking)

Hobbies and Interests

Reading and traveling.

References

Available upon request