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ACADEMIC QUALIFICATIONS

Ph.D. in Civil / Geo-environmental Engineering, 2009.

University of Toledo, Ohio, USA.

M. Sc in Civil / Geo-environmental Engineering, 1999.

University of Toledo, Ohio, USA.

B.Sc in Civil Engineering, 1988.

University of Toledo, Ohio, USA.

Courses and Seminars: Attended and participated in thirty five (35) short courses and seminars in the Geotechnical and Environmental Engineering in USA.

REGISTRATION:

Professional Engineer, #E-56822, State of Ohio, USA.

Professional Engineer, # 62011053490, State of Michigan, USA

AFFILIATIONS:

- A member with American Society of Civil Engineers (ASCE)
- A member of Solid Waste Association of North America (SWANA)

ACADEMIC EXPERIENCE

Lecturer in Civil Engineering and Infrastructure – *Al-Zaytoonah University of Jordan, Jordan, (9/2015 – present)*

Lecturer in Civil Engineering Department – *Al-Isra University, Jordan, (9/2009 –9/2015)*

Teaching Assistant in Civil Engineering Department –*University of Toledo, Ohio, USA (9/2000 – 6/2003)*

COURSES TAUGHT

- Environmental Risk Management
- Solidwate Management
- Design of Engineered Landfill
- Groundwater Hydrology
- Engineering Hydrology
- Water Treatement
- Wastewater treatment
- Earth Retaining Structures
- Slope Stability and Soil Stabilization
- Foundation Engineering

- Geotechnical Engineering
- Advanced Geotechnical Engineering
- Engineering Geology
- Pavement Design
- Senior Design Projects
- Technical Writing
- Numerical Methods for Engineers
- Engineering Statistics

INTERESTS

- Solid Waste Management.
- Use of Plastic Waste in Civil Engineering
- Alternative Energy (Waste to Fuel).
- Water Resources and Management.
- Environmental Risk Management.

PROFESSIONAL EXPERIENCE

Principal Consultant Engineer, A & A Eng., Civil and Environmental Engineers. Toledo, Ohio, USA, (1997-2009). A professional engineer with 25 years of experience providing civil, geotechnical, environmental engineering services with primary focus on geo-environmental applications.

Lead Consultant Engineer, Bowser-Morner Assoc., Inc., Toledo, Ohio, USA, (1988-1996). Responsible for the overall technical quality of engineering and technical services in the geotechnical, soil and material testing, environmental, Geo-environmental, and Site/Civil Projects.

Professional Development Activities in the last five years

Technical Committee, *Al-Isra University* International Civil Engineering Conference on Sustainability, April 2015.

Organizing Committee, Al-Isra University, First Civil Engineering Conference, 2012.

Civil Engineering Department and Engineering Colledge Committees, *Al-Isra University,* (2009 to 2015).

Workshops and Seminars, Participated in several workshops and seminars.

Journal Publications:

- PhD dissertation titled “Estimating Hydraulic Properties of Unsaturated compacted Cohesive Soil from Basic Soil Geotechnical Properties, *Geotechnical News* , June 2009. 174 pages; ProQuest Publication # 3364316
- Co-author of research Titled “Cracking Characteristic of Asphalt Rubber Mixture Pavement”, *Jordan Journal of Civil Engineering*, Volume 4, No. 3, 2010.
- Coauthor of a research titled "Reduction of COD and TSS from Paper Industries Wastewater using Electro-Coagulation and Chemical Coagulation".*Separation Science and Technology*, 47: 700–708, 2012

Conference Publications:

- Use of Plastic Waste in Construction Applications, presented at the International conference held at the Al- Zaytoona University, Amman, Jordan, 2016.
- Material Recovery and Recycling of Waste Products- an Essential Component of Integrated Solid Waste Management in Jordan", presented at the International conference held at the Al- Isra University, Amman, Jordan, 2015.