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#### Professional Preparation

B.S.E. in Agricultural (Four year B.S and fifth year Advance Engineering Degree with Specialty in soil mechanics and structures) Engineering, University of Ataturk, 1978

Post Graduate Diploma, Hydrology, MAYZEM , Bari .Italy 1982

M.S.E. in Agricultural Engineering, Texas Tech University, 1991

Ph. D. in Interdisciplinary Engineering, Texas Tech University, 1998

#### Professional Chronology

Associate Professor of Civil, Environmental and Construction Engineering, Texas Tech University (1990; 2015-present)

USGBC West Texas Executive Director, (2014-2015)

Instructor, TexPrep-Department of Mathematics Texas Tech University (1999-2002)

Research Assistant, Agricultural and Civil Engineering, the -Austin (1991-1998)

Chief Engineer, Desert Reclamation Project, Egypt (1982-1983)

Field Engineer, Department of Water Works- Ministry of Rural and Urban Development Manisa Turkey (1988-1980)

#### Research Interests

Sustainable Safety

Construction Safety and Risk Management

Engineering Education and development Techniques

Improve Girls' and Women's Opportunities in Science, Technology, Engineering, and Math

Sustainable Construction Materials and Techniques

Renewable energy and Energy Efficiency, Green Building Design and Construction

#### Leadership/Honors/Awards

Invited Key Note Speaker International Building Symposium , Ankara Turkey, (2015)

Elected to the West Texas USGBC Executive Director (2014)

Outstanding faculty recognition award, Mortar Board & Omicron Delta Kappa. (October 31, 2009).

ASEE-Gulf Southwest Section Best Paper Award-Third Place, ASEE.

#### Synergistic Activities/Committee Membership

1. Member of The American Society for Engineering Education (ASEE) , The Masonry Society.
2. Technical Board Member Latin American and Caribbean Consortium of Engineering Educators
3. Developed two courses, one on Sustainable Development /Green Construction and another on Construction Safety and Risk Management , for senior undergraduate and graduate students, integrating my research in both.
4. Supervising and mentoring an active group of Ph.D. and M.S. students in my areas of research
5. Served in Several Committees( Financial Disclosure Committee, Graduate Council, Faculty Senate, Convocation Committee, Presidents Book award committee and many more)
6. Faculty Advisor for USGBC Student Organization and West Texas Turkish-American Student Organization

7. Obtained OSHA Trainer certification, Engaged in a range of professional society activities as organizer, program committee member, editor and reviewer

#### Selected Publications

- 1) Darwish, M and Hossein Mireneyat (2015), Net Zero Energy Buildings: A Comparison of existing buildings US versus EU , Submitted to Journal Of Sustainability .
- 2) Evaluating and Comparing the Usability of two Learning management Systems: Blackboard vs Pearson Learning Studio ASEE Annual Meeting
- 3) Darwish, M., Basora, Z. Building Green: Standards and codes and rating systems. Ankara:.
- 4) Ghebrab, T., Nejat, A., Darwish, M. Enhancing Construction Engineering Internship to a Viable Learning Mechanism.. 2015 ASEE-GSW Annual Conference.
- 5) Darwish, m. M. Sustainable Development: Using sustainability-Green Buildings Education to Enable the Increase of Diversity in Construction Engineering. San Antonio, Texas: ASEE -GSW.
- 6) Darwish, M. (2014). Tougher building codes can help prevent fire disasters. Houston: Houston Chronicle.
- 7) Darwish, M. \*2014)Teaching Construction Engineering Students Ethics in 21st Century Globalized Market. Latin American Caribbean Engineering Educators consortium: Latin American Caribbean Engineering Educators consortium –LACCEI
- 8) Darwish, M. (2014). TEACHING AN ENGINEERING LECTURE IN AN OPEN TEACHING CONCEPT. New Orleans, Louisiana: Proceedings of the 2014 ASEE Gulf-Southwest Conference.
- 9) Darwish, M., Agnello, M. (2013). Adding E into STEM to Teach & Inspire Future Engineers. Latin American Caribbean Engineering Educators consortium: Latin American Caribbean Engineering Educators consortium –LACCEI.
- 10) Darwish, M., Nejat, A. (2013). Towards Gender Balance in Engineering for an Expanding Global Market Place. ASEE PSW