

CURRICULUM VITAE

MAZEN ALI MUSMAR



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OCCUPATION

Associate Professor in Structure/ Civil Engineering / Faculty of Engineering Technology (FET), Al-Balqa' Applied University (BAU)

EDUCATION

Baghdad University, Baghdad / Iraq, graduated 1996, Doctor of Philosophy in Civil Engineering. Major field of study: Structures.

Yarmouk University, Amman / Jordan, graduated 1986, M.sc. in Civil Engineering. Major field of study : Structures.

Basrah University, Basrah / Iraq, graduated 1978, Bsc. In Civil Engineering.

ADMINISTRATIVE EXPERIENCE

2003 – 2006 Vice Dean for Administrative Affairs FET\ BAU

ACADEMIC EXPERIENCE

2008 – Current Associate professor/Department of Civil Engineering FET\ BAU
- Teaching undergraduate courses, including steel design, design of bridges, pre-stressed concrete design, and computer applications.

2006 – 2008 Assistant professor/Department of Civil Engineering FET\ BAU
- Taught undergraduate courses.

1996 – 2006 Seconded from Ministry of Higher Education to \ department of civil engineering FET\ BAU
- Taught undergraduate courses.

1987 - 1992 Seconded from M.O.H.E to \ department of civil engineering FET\ BAU
- Taught undergraduate courses

NON-ACADEMIC PROFESSIONAL EXPERIENCE

1985 – 1987 *Private Sector/* Amman Consultant Engineering Office, Project manager, and Structural Designer

1984 – 1985 *Private Sector/* Refco Construction Company/ Area manager responsible of constructing housing projects in Amman

1982 – 1984 *Private Sector/* Frigo Engineering Consultants/ Resident engineer responsible of supervision of constructing a large cold store in Jordan Valley to be utilized for storing goods.

1981 – 1982 *Private Sector/* Jordan Engineering Consortium/ Resident engineer for supervision of constructing structures

1978 –1981 *Private Sector/* Arabtec Consulting Engineering Office as a site engineer.

AREAS OF PROFICIENCY

- 1- Solid background in software engineering systems, experienced with programming languages such as Fortran and Visual basic.
- 2- Experienced with computer applications in the field of structural engineering. Such as STAAD PRO, ETABS, PROKON, SAP, SAFE, ADAPT.
- 3- Structural analysis, Finite element, Modeling.
- 4- Strong background in design of structures.
- 5- Strong background in design of multi storey buildings against earthquake effect.
- 6- Strong background in design of post-tensioned bridges.
- 7- Experienced with several software packages such as Microsoft Excel, WinWord.
- 8- Familiar with statistical data analysis and the use of various statistical software packages.
- 9- Strong background in supervision of constructing multistory structures.

RESEARCH WORK

1. "Relationship Between Rebound Index and Standard Concrete Cube Crushing Strength". **Journal of Engineering Sciences, July 2005, 1st author.**
2. "A Comparison between the New and the Old Versions of Jordan Seismic Code. **American Journal of applied sciences, New York, USA, Volume 4, Number 4, 2007, single author.**
3. " Torsional strength of steel fiber reinforced concrete", **Journal of Engineering Sciences, Jan 2007, 2nd author.**
4. "Effect of Lateral Forces on Shear Walls with Openings", published in the Proceedings of the **Seventh International Conference** on Concrete Technology in Developing Countries, Malaysia, **2004, single author.**
5. "A Mathematical Expression for Split Tensile Strength of Steel Fiber Reinforced Concrete", **Seventh International Congress concrete construction sustainable option, Dundee, UK, July 2008, 1st author.**
6. Relationship between Ultrasonic Pulse Velocity and Standard Concrete Cube Crushing Strength, **Journal of Engineering Sciences, Jan, 2008, 1st author.**

AFFILIATES

Jordan Engineering Association.

PERSONAL

Married, three dependents, Jordanian citizen

TRILINGUAL

Arabic, English and French