# Faculty Vitae

1. Name: Mazen Ali Musmar
2. Education

* PhD, Structural Engineering, University of Baghdad, 1996
* Masters of Science, Structural Engineering, Yarmouk University, 1986
* Bachelor of Science, Civil Engineering, Basrah University, 1978

1. Academic experience

* Albalqa University, Assistant Professor, 1996 to 2008
* Albalqa University, Associate Professor(B), 2008 to 2010
* Amman Ahliyya University, Associate Professor(A), 2010 to 2015
* The Jordan University, Associate Professor (A) 2015 to 2018

1. Non-academic experience

* Dar Al-Khaleej for Bridge Design 'Saudi Arabia', 2008-2009, Freelancer Structural Designer, Structural Design of Prestressed Box Girder Bridges.
* Arabtec –Jardaneh**,**2006-2008,Freelancer Structural Designer**,** Design of Steel Structures including the *prominent* ***'Joramco Steel Structure Aircraft Hanger***', Reinforced concrete Buildings, Water tanks.
* Amman Consultant Engineering Office, 2003-2005, Freelancer Structural Designer, Design of Steel Structures, Buildings, Hospitals including the *prominent* ***'Prince Hamza Hospital***'.
* Malek Engineering Design Office, 1996-2003,Freelancer Structural Designer, Design of Steel Hangers, Reinforced concrete Commercial and Residential Buildings, Water tanks.
* Amman Consultant Engineering Office, 1984-1986, Head of Structure design division.
* Frigo Engineering Consultants, 1982-1984, Resident Engineer.

1. Certifications or professional registrations
2. Current membership in professional organizations

* Jordan Engineers Association

1. Honors and awards
2. Service activities (within and outside of the institution)

* Vice Dean, Faculty of Engineering Technology, Albalqa Applied University, 1997-2004
* Head of Civil Engineering Department, Al-Ahliyya Amman University, 2010-2011
* Director of Academic Programs and Accreditation, Al-Ahliyya Amman University, 2011-2014
* Member of the Higher Steering Committee for Academic Programs and Study Plans, Al-Ahliyya Amman University, 2011-2014.
* Member of the Central Tenders Committee, Al-Ahliyya Amman University, 2010-2014.

1. Briefly list the most important publications and presentations from the past five years – title, co-authors if any, where published and/or presented, date of publication or presentation.

* A Shatanawi***,*** M Musmar, L Gharaibeh, Evaluation of Seismic Analysis Procedures for Concrete Moment-resistant Frames with Horizontal Re-entrant Corners Irregularity, Accepted to be published in IJASEIT International Journal on Advanced Science, Engineering and Information Technology.
* M Musmar A Shatanawi, Investigation the Shear Behavior of Reinforced Concrete Beams during Fires Using Finite Element Analysis, International Journal of Applied Engineering Research ISSN 0973-4562 Vol 13, No 6, pp 3255-3261, 2018.
* M Musmar, Nonlinear Finite Element Flexural Analysis of RC Beams, , International Journal of Applied Engineering Research ISSN 0973-4562 Vol 13, No 4,pp 2014-2020, 2018.
* M Musmar A Shatanawi, and Nasim Shatarat, Finite Element Analysis of The Behavior of RC Beams During Fires", ARPN Journal of Engineering and Applied Sciences, ISSN 1819-6608, Vol.12, No23, 2017.
* M Musmar, M.Rjoub, M. Abdelhadi, Nonlinear Finite Element Analysis of Shallow Reinforced Concrete Beams Using Solid65 Element, ARPN Journal of Engineering and Applied Sciences, Vol 9, No 2, 2014.
* M Musmar, Analysis of Shear wall with openings using Solid65 Element, Jordan Journal of Civil Engineering, Vol 7, No 2, 2013.
* M Musmar, Non-Linear Behavior of D-Type Eccentric Steel Frames, ARPN Journal of Engineering and Applied Sciences,Vol 8, No 9, pp737-742, 2013.
* M Musmar, Tensile Strength of Steel Fiber Reinforced Concrete, Contemporary Engineering Science, Vol 6, No 5, 2013.
* M Musmar, M Rjoub, Case Study of a Structural Assessment for a Building Subjected to Fire Attack, 7th International Congress: Concrete: Construction’s Sustainable Options, Procedings pp1581-1592, Dundee UK, , 2012.
* M Musmar, Effect of links on Eccentrically braced Frames, [Journal of Engineering Sciences](http://www.aun.edu.eg/journals/reserches/journl_of_engineering_sciences.htm), Vol 40, No 1, 2012.
* M Musmar, Relationship between Ultrasonic Pulse Velocity and Standard Concrete Cube Crushing Strength, Journal of Engineering Sciences, Vol. 36, no. 1, 2008
* M Musmar, A Comparison Between the New and the Old Versions of Jordan Seismic Code, American Journal of Applied Sciences, ISSN 1546-9239, 2007.
* Torsional strength of steel fiber reinforced concrete, Journal of Engineering Sciences, Vol. 35, no. 1, 2007.
* M Musmar, Relationship Between Rebound Index and Standard Concrete Cube Crushing Strength, Journal of Engineering Sciences, Vol. 33, No.4, 2005

1. Briefly list the most recent professional development activities

* Director of Academic Programs and Accreditation, Al-Ahliyya Amman University, 2011-2014
* Member of the Higher Steering Committee for study plans, Al-Ahliyya Amman University, 2011-2014.
* Member of the Central Tenders Committee, Al-Ahliyya Amman University, 2011-2014