**Personal Data**

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| **Name:** | **Mohammad Jamal Mahmoud Al-Shannag** |
| **Nationality:** | Jordanian |
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**Education**

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| **Degree** | **Institution** | **Discipline** | **Year** |
| **B.Sc.(Hons.)** | University of Engineering and Technology, Pakistan | Civil Engg.  Structures | 1983 |
| **M.Sc** | Jordan University of Science and Technology, Jordan | Civil Engg.  Structures | 1987 |
| **Ph.D** | University of Michigan-Ann Arbor- Michigan,USA | Civil Engg.  Structures | 1995 |

**Academic Experience**

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| **Institution** | **Rank** | **Title** | **Years** |
| * Civil Engineering Department, King Saud University. * Civil Engineering Department, King Saud University. * Civil Engineering Department,   Jordan University of Science and Technology.   * Civil Engineering Department,   Jordan University of Science and Technology. | Professor  Associate  Professor  Associate  Professor  Assistant  Professor | Faculty Member  Faculty Member  Faculty Member  Faculty Member | 2010-present  2005-2010  2003-2005  1998-2005 | |

**Non-Academic Experience**

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| **Company / Entity** | **Title & Description of Position** | **Years** | **Status** |
| Saudi Standards, Metrology, and Quality Organization (SASO) | Member in the Technical Committee for updating the Structural Saudi Building Code, SBC 304-18. | 2014-2018 | Part-Time |
| North Carolina State University, Department of Civil Engineering, North Carolina, Raleigh, USA. | Research Associate | 1995-1998 | Full Time |

**Certifications or Professional Registrations**

American Concrete Institute (ACI)

**Current Membership in Professional Organizations**

Jordan Engineers Association.

**Honors and Awards**

* Listed by Stanford University in the United States among the best 2% highly cited scientists in the world, (2020), based on Scopus international citation database.
* Received an award for supervising the best capstone design project, College of Engineering at King Saud University, (2018).
* Received an award for Supervising a distinguished Project on Engineering Design from College of Engineering and Saudi BAE Systems Company, (2019).
* Received an award from the College of Engineering at King Saud University for reviewing the maximum number of papers for King Saud University Journal of Engineering Sciences, (2018).

**Service Activities (within and outside of the institution)**

• Chair of the Mentoring and Directing Unit (MDU)-College of Engineering.

• Chair of the Mentoring and Directing Unit (MDU)-Civil Engineering Department.

• Member of the Scientific Committee for the International Conference on sustainability: Development and Innovation, Prince Sultan University, Saudi Arabia, November 2021.

• Reviewed many applications for promotions to the rank of associate and professor of civil engineering.

• Reviewed many research articles and proposals for International Journals and funding agencies.

**Most Important Publications and Presentations for the Past Five Years**

[1] **UNITED STATES PATENT NO:** US 9,127,457 B2, 2015, Machine for deforming and cutting plastic strips for enhancing concrete, **Mohammad Al-Shannag**, and Abdulrahman Alhozaimy, King Saud University.

[2] **Mohammad Alshannag**, Abdulhafiz Alshenawy, Effective strengthening schemes for heat damaged reinforced concrete beams, Journal of King Saud University-Engineering Sciences 32 (2020) 236-245.

[3] Fahed Alrshoudi, **Mohammad Alshannag**, Suitability of palm frond waste ash as a supplementary cementitious material, Arabian Journal for Science and Engineering, (2020), 45:7967-7974.

[4] **Shannag, M.J.,** and Higazey, M., Strengthening and repair of a precast reinforced concrete residential building, Civil Engineering Journal, 6(12), (2020), 2457-2473.

[5] Rousan, Rajai, **Shannag, Mohammad**, Shear repairing and strengthening of reinforced concrete beams using SIFCON, Journal of Structures, 2018,14,389-399.

[6]Al-Tulaian, B.S., **Al-Shannag, M.J.,** Al-Hozaimy, A.R., Recycled plastic waste fibers for reinforcing portland cement mortar, Construction and Building Materials,127(2016) 102-110.

[7] **Shannag, M.J.,** and Charif, A., Bond behavior of steel bars embedded in concretes made with natural lightweight aggregates, Journal of King Saud University for Engineering Sciences, 29 (2017), 365–372.

[8] Alaskar, A., **Al-Shannag, M.J.,** Higazey, M., Mechanical properties and durability of high performance concrete internally cured using lightweight aggregates, Construction and Building Materials, 288(2021), 122998.

[9] Presented a lecture on building code requirements for structural concrete SBC 304-18, at Saudi Building Code Workshop, Dammam, Saudi Arabia, 2018.

**Most Recent Professional Development Activities**

1. Attending a workshop on building code requirements for structural concrete SBC 304-18, at Saudi Building Code Workshop, Dammam, Saudi Arabia, 2018.
2. Attending a workshop on academic advising at the mentoring center of King Saud University, 2016, Saudi Arabia, 2018.