

Personal Data

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Education

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

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

Non-Academic Experience

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.