

Education:

Ph.D. in Civil Engineering, Western Michigan University, MI., U.S.A.

Master in structural engineering, University of Jordan, Jordan

Bachelor in civil engineering, Mutah University, Jordan

Research Interests:

Strengthening of Reinforced Concrete (RC) with advanced materials, fatigue mechanics and enhancement of life expectancy of structures, bridge engineering.

Current research:

Investigates the effect of wide spectrum variable amplitude loading on the fatigue life of reinforced concrete beams strengthened with CFRP sheets.

Grants:

Graduate School Research Grant, Western Michigan University. For research entitled "Fatigue Behavior of Reinforced Concrete Beams Strengthened with Externally Bonded Carbon Fiber Reinforced Polymers".

Publications:

1. Mohammad Al-Qaralleh, Houssam Toutanji, (2018), "Analytical Life-Prediction Model for RC Beams Strengthened with Externally Bonded FRP Laminates under Flexural Fatigue Loading", *Journal of Composites for Construction*, ASCE, 22 (6). doi: 10.1061/(ASCE)CC.1943-5614.0000892
2. Mohammad Al-Qaralleh, Houssam Toutanji, (2018), "Effect of Overloading on Fatigue Life of RC Beams Strengthened with FRP Sheets", 6th Annual International Conference on Architecture and Civil Engineering (ACE 2018), Singapore. doi: 10.5176/2301-394X_ ACE18.40

Teaching courses:

1. Statics
2. Structural Analysis II
3. RC design I
4. Bridge Engineering