CURRICULUM VITAE

Dr. Abeer Ahmad Al-Dalou'

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Assistant professor -Civil Engineering Department, Ajloun National University

Ajloun, Jordan

EDUCATION

Ph.D. in Structural Engineering with GPA (3.96-Excelent)
Jordan University of Science and Technology, Irbid, Jordan — 2025
Thesis Title: " **Improving the Critical-Moment Strength Due to Lateral-Torsional-Buckling of CFRP-Strengthened Built-up Steel Beams** "

M.A./M.Sc. in Structural Engineering with GPA (85.5-Very Good)

Jordan University of Science and Technology, Irbid, Jordan — 2016

B.A./B.Sc. in Civil Engineering with GPA (87.6-Excelent)
Jordan University of Science and Technology, Irbid, Jordan — 2013

TEACHING EXPERIENCE

Full time Lecturer at Al-Ahliyya Amman University, Amman , Jordan,2016-2018
Courses taught: Reinforced Concrete 1, Prestressed concrete, Computer applications in civil engineering.

Courses taught during the Ph.D. study at Jordan University of Science and Technology, Irbid, Jordan — 2021-2025
Courses taught: Surveying, Dynamics, material lab, and transportation lab.

RESEARCH INTERESTS

- Reinforced concrete.
- Steel.

PUBLICATIONS

Peer-Reviewed Journals

- Abu-Farsakh, G.A. and Al Dalou, A.A., 2025. Improving moment-capacity of strengthened mono-symmetric and doubly symmetric steel beams using carbon-fiber-reinforced plastic composite plates. *Mechanics Based Design of Structures and Machines*, pp.1-20.
- Alhassan, M., Betoush, N., Al-Huthaifi, N. and Al Dalou, A., 2022. Estimation of the fracture parameters of macro fiber-reinforced concrete based on nonlinear elastic fracture mechanics simulations. *Results in Engineering*, *15*, p.100539.
- Haddad, R.H. and Dalou, A.A., 2020. Modeling bond between corrosion-cracked concrete and composite sheets. *International Journal of Civil Engineering*, *18*(12), pp.1395-1409.
- Haddad, R.H. and Al Dalou, A.A., 2018. Experimental study on bond behavior between corrosion-cracked reinforced concrete and CFRP sheets. *Journal of adhesion science and Technology*, *32*(6), pp.590-608.

Conference Presentations:

- Al Dalou, A., Betoush, N., Al-Huthaifi, N. and Alhassan, M., 2022. FRACTURE TOUGHNESS OF LATEX-MODIFIED CONCRETE OVERLAYS INTEGRATED WITH MACRO SYNTHETIC FIBERS. And Resilience, p.27. Presented at CESAREEP'22, Jordan University of Science and Technology, 2022.

TECHNICAL SKILLS & TOOLS

- AutoCAD
- ETABS
- ABAQUS
- MATLAB