



Curriculum Vitae

Personal Information

Name: Shwan Jalal Abdullah Bajalan

Field: Civil Engineering

Specialization: Structural Engineering

Office Address: Civil Engineering Department, Soran University (SOU), Delizyan, Soran, Kurdistan Region, Iraq

Home Address: Erbil, Kurdistan Region, Iraq

Additional Personal Information

Born in West-Germany & holding permanent residency of Malaysia since 2011

Academic Profile

Shwan Jalal Abdullah Bajalan is a lecturer in Civil and Structural Engineering with extensive experience in undergraduate civil engineering education since 2013. His teaching portfolio includes courses such as Engineering Mechanics (Statics & Dynamics), Strength of Materials, Reinforced Concrete Design, and Design of Concrete Structures. His academic interests include structural analysis, structural dynamics, and earthquake engineering.

Education

M.Sc. Structural Engineering – Universiti Sains Malaysia (USM), Malaysia, 2004

B.Sc. Civil Engineering – University of Baghdad, Iraq, 1997

Certificate in Structural Engineering – Sungkyunkwan University, South Korea, 2005

Academic Employment

Adjunct Lecturer – Civil Engineering Department, Soran University (2013–Present)

Teaching Assistant – Universiti Sains Malaysia (2006–2008)

Courses Taught

- Introduction to Civil Engineering
- Engineering Drawing
- Building Materials
- Scientific Debate
- Engineering Mechanics (Statics & Dynamics)
- Strength of Materials
- Reinforced Concrete Design
- Design of Concrete Structures

Research Interests

- Structural Dynamics
- Reinforced Concrete Structures
- Seismic Performance of Buildings

Computer Skills and Language Proficiency

- Fortran Programming & Auto-Cad
- English, Bahasa Malay, Arabic & Kurdish

Publications

Abdullah Bajalan, S.J. (2004). Steel Frame Analysis with Semi-Rigid Connections. Conference Paper.

Abdullah Bajalan, S.J. (2020). Article published in Springer Nature journal. DOI: <https://doi.org/10.1007/s42452-020-03814-8>

Selected Supervised Undergraduate Projects

- Design of a Multi-Story Reinforced Concrete Building
- Analysis & Design of Multi-Story Building Frame (Manual and ETABS)
- Design of Reinforced Concrete Circular Water Tank
- Analysis & Design of Low-Rise Steel Building
- Structural Behavior of RC Buildings with and without Shear Walls
- Structural Analysis of Multi-Story Buildings with Plan Asymmetry
- Seismic Analysis of Buildings with Diaphragm Discontinuity

Selected Academic Seminars

- Seismic Induced Waves and Forces (2018)
- Structural Responses of Buildings with Similar Plan Views to Earthquake Forces (2019)
- Resonance Phenomenon in Structural Systems (2019)
- Building Seismic Response vs Soil Depth (2020)
- Earthquake & Soil Liquefaction Phenomenon (2020)
- Characteristics of Seismic Resistant Buildings (2024)
- Dynamics Actions on Buildings: Wind vs Earthquake (2024)
- AI in Structural Health Monitoring (2025)