Wissam Nadir

Structural Engineering, Professor (Assistant) at Al-Qasim Green University

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Web of science https://www.webofscience.com/wos/author/record/D-1130-2019

Scopus https://www.scopus.com/authid/detail.uri?authorId=57204175627

Education:

- Ph.D., Structural Engineering — University of Babylon, Iraq 2023
- MSc, Structural Engineering — University of Babylon, Iraq 2010
- BSc, Civil Engineering — University of Babylon, Iraq 2006

Experience:

- Project manager of Al Samawah sanitary net work project (about 500 km net work and 15 lift station) from 2010 to 2013.
- Site manager of Al Zhoor water treatment plant 10 m^3/hr in Baghdad, from 2013 to 2016.
- Lecturer at the engineering college in Al Qasim Green University from 2016 to the present.
- Design and rehabilitation of numerous structural project.
- Rehabilitation the buidings of Khan baisaad prison.
- Design of multi school buildings.
- Rehabilitation of muiti school buildings.
- Redesign the foundation of multi-stort building in Al Bedour compound.
- Design the six lift stations for rain and sewer in Al Bedour compound.
- Design the ground storage tank and intake structure in Al Bedour compound.
- Evaluation and strengthening the building of Babylon governorate office.
- Evaluation of multi RC structural throughout non destructive test.
- Design RO water treatement plant in Karbala International Airport (KIA).
- Design the ID offices in Baghdad.
- Rehabilitation and strengthening college buildings in Thi Qar university.
- Design of generator house building in Karbala International Airport (KIA).
- Design of pre-departure building in Karbala International Airport (KIA).

- Design of GSE in Karbala International Airport (KIA).
- Design of multi residential buildings.
- Design of wolf gym in Baghdad.
- Design of hussainat al Emam Al Hassan in Al Najaf.
- Design the extension of AL jaderiah mosque.
- Design the glass factory in Al Najaf Al ashraf (70,000m2) steel structure.

Computer Skills:

- Basic computer and internet.
- Microsoft office.
- AutoCAD 2D
- Structural engineering software (ETABS, SAFE, and SAP2000)

Publications:

- Static Behavior of UHPC Corner Beam–Column Joint Under Constant Axial and Increasing Bi-Directional Bending Loads
  Authors (4): Wissam Nadir; Ammar Yasir Ali ... Majid M. A. Kadhim
  Published: Apr 2024 in International Journal of Civil Engineering
  DOI: 10.1007/S40999-024-00957-2
- Structural behavior of spliced deck beams with UHPC joints under monotonic load
  Authors (5): Mustafa Kareem Moosa; Ammar Yaser Ali ... Mayadah W. Falah
  Published: Mar 2024 in Asian Journal of Civil Engineering
  DOI: 10.1007/S42107-023-00970-1
- Parametric study for structural performance of spliced hybrid deck beams with UHPC cast in place joints
  Mustafa Kareem Moosa; Ammar Yaser Ali; Wissam Nadir; Mayadah W. Falah
  Published 2024 |
- Cyclic behavior of UHPC corner beam-column joints under bi-directional bending
  Nadir, Wissam ; Ali, Ammar Yasir ; (...); Majdi, Ali
  Published 2024 |

- Experimental investigation on UHPC-NSC composite beams
  Nadir, Wissam ; Kadhim, Majid M. A. ; (...); Majdi, Ali
  Published 2024 |
- Estimating the joint shear strength of exterior beam–column joints using artificial neural networks via experimental results
  DOI: 10.1007/S41062-023-01351-Y
- RC beams strengthened in shear with FRP-Reinforced UHPC overlay: An experimental and numerical study

DOI: 10.1016/J.ISTRUC.2023.04.117

- Behaviour of RC beams strengthened in flexure with hybrid CFRP-reinforced UHPC overlays
  Published: Jul 2022 in Engineering Structures
  DOI: 10.1016/J.ENGSTRUCT.2022.114356
- Experimental study on RC beams strengthened in flexure with CFRP-Reinforced UHPC overlays
  DOI: 10.1016/J.ENGSTRUCT.2023.116066
- The key factors affecting the behavior of reinforced concrete beam–column joints under cyclic load
  Published: Jun 2022 in Asian Journal of Civil Engineering
  DOI: 10.1007/S42107-022-00464-6
- Utilizing the moment distribution method for the analysis of concrete slabs supported by bearing masonry walls
  Published: Apr 2022 in Innovative Infrastructure Solutions
  DOI: 10.1007/S41062-022-00746-7
- Structural behavior of hybrid reinforced concrete beam-column joints under cyclic load: State of the art review
  Published: Dec 2021 in Case Studies in Construction Materials
  DOI: 10.1016/J.CSCM.2021.E00707
- An efficiency factor for the bottle shaped concrete strut in deep beams reinforced with longitudinal FRPs bars
  Published: Jan 2021 in Materials Today: Proceedings
  DOI: 10.1016/J.MATPR.2020.12.258
- Utilization of High Volume Fraction of Binary Combinations of Supplementary Cementitious Materials in the Production of Reactive Powder Concrete
  Published: 2021 in Periodica Polytechnica Civil Engineering
  DOI: 10.3311/PPCI.16242
- Influence of Web Reinforcement on Strength of Bottle-Shaped Strut in Concrete Deep Beams
  Published: Jul 2020 in ACI Structural Journal
  DOI: 10.14359/51723523
- Influence of Incinerated and Non-Incinerated waste paper on Properties of Cement Mortar
  Published: Jan 2020 in IOP Conference Series: Materials Science and Engineering
  DOI: 10.1088/1757-899X/671/1/012113
- A compression field based model to assess the shear strength of concrete slender beams without web reinforcement
  Published: Dec 2018 in Case Studies in Construction Materials
  DOI: 10.1016/J.CSCM.2018.E00210
- A compression field based model to assess the shear strength of concrete beams reinforced with longitudinal FRP bars
  Published: Dec 2018 in Construction and Building Materials
  DOI: 10.1016/J.CONBUILDMAT.2018.10.036
- Influence of soil liquefaction on the structural performance of bridges during earthquakes: Showa Bridge as a case study
  Published: Nov 2018 in International Conference on Civil Engineering Science (ICCES-)At: Iraq

- PROPERTIES OF CEMENT MORTAR CONTAINING BIOMASS BOTTOM ASH AND SANITARY CERAMIC WASTES AS A PARTIAL REPLACEMENT OF CEMENT Published: Oct 2018 in International Journal of Civil Engineering and Technology (IJCIET)