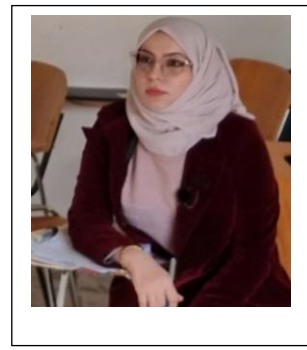


Curriculum Vitae



Personal Information

Name: Zainab Hashim Abbas

Date of Birth: 27 January 1989

Country: Iraq

Email: zainab89@wrec.uoqasim.edu.iq

LinkedIn: <https://www.linkedin.com/in/zainab-hashim-abbas-892337144/>

ResearchGate: https://www.researchgate.net/profile/Zainab_Hashim_Abbas

Google Scholar: <https://scholar.google.com/citations?user=6FtqWywAAAAJ&hl=ar>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57358708000>

ORCID: <https://orcid.org/0000-0001-6437-2565>

Publons: <https://publons.com/researcher/1696836/zainab-hashim-abbas/>

Clarivate: <https://www.webofscience.com/wos/author/record/D-1187-2019>

Education

Ph.D. in Civil Engineering (Building Materials), University of Technology, Iraq — Nov 2024

M.Sc. in Civil Engineering (Construction Materials), University of Babylon, Iraq — Mar 2014

B.Sc. in Civil Engineering, University of Babylon, Iraq — Jul 2010

Academic Position

Assistant Professor, Civil Engineering Department, Al-Qasim Green University, Iraq

Research Interests

- Concrete Technology
- Sustainable Building Materials

- Durability of Cementitious Materials
- Green and Environment-friendly Concrete
- Utilization of Agricultural Waste in Concrete

Number of publications in Scopus: 13

Number of publications in Clarivate: 11

Number of publications in local journal: 4

Publications

Indexed in Scopus and Web of Science:

-Machine Learning-Based Prediction of Strength and Environmental-Economic Optimization of HSC Concrete Incorporating Pozzolanic Ash and Nano-Eggshells, International Journal of Concrete Structures and Materials, 2025, 19(1), 126. DOI: 10.1186/s40069-025-00868-z

- Experimental and Numerical Study on Compressive Behaviour of Circular Reinforced-Concrete Column with Pre-fabricated Self-compacting Mortar Stay-in-Place Formwork Strengthened with CFRP Layers, Arabian Journal for Science and Engineering, 2025. DOI: 10.1007/s13369-024-09097-0

- Influence of strength grades of core concrete of reinforced concrete column with self-compacting mortar stay-in-place formwork, Innovative Infrastructure Solutions, 2025. DOI: 10.1007/s41062-024-01851-5

- Cross-sectional shape effect of stay-in-place formwork column on axial compressive behaviour, Journal of Building Engineering, 2024. DOI: 10.1016/j.jobbe.2024.109417

- Effects of nano montmorillonite clay modified epoxy adhesive on confinement efficiency of adhesively bonded CFRP stay-in-place formwork column, Case Studies in Construction Materials, 2024. DOI: 10.1016/j.cscm.2024.e03378

- Ultra-High-Performance Concrete with Micro- to Nanoscale Reinforcement, ACI Materials Journal, 2024. DOI: 10.14359/51740369

- Comparison of artificial neural network and hierarchical regression in prediction compressive strength of self-compacting concrete with fly ash, Innovative Infrastructure Solutions, 2024. DOI: 10.1007/s41062-024-01367-y

- Curing High-Performance Green Concrete Under Hot Weather, Iranian Journal of Science and Technology, 2022. DOI: 10.1007/s40996-021-00758-w

- Effect of multicomponent modifier on the properties of cement pastes formulated from self-compacting concrete, Magazine of Civil Engineering, 2020. DOI: 10.18720/MCE.98.5
- Effect of cement replacement by fly ash and epoxy on the properties of pervious concrete, Asian Journal of Civil Engineering, 2020. DOI: 10.1007/s42107-019-00183-5
- Utilization of dates palm kernel in high performance concrete, Journal of Building Engineering, 2018. DOI: 10.1016/j.job.2018.07.015
- Study the effect of partially replacement sand by waste pistachio shells in cement mortar, Applied Adhesion Science, 2017. DOI: 10.1186/s40563-017-0099-3
- Study of heat of hydration of Portland cement used in Iraq, Case Studies in Construction Materials, 2017. DOI: 10.1016/j.cscm.2017.07.003

Publications

International and local papers:

Effect of Sulfate in Sand on Some Mechanical Properties of Nano Metakaolin Self Compacted Concrete – (BCEE2-2015): the 2nd international conference on buildings, construction, and environmental engineering

Effect of Sulfate in Sand on Some Mechanical Properties of Nano Metakaolin Normal Concrete - Journal of Babylon University/Engineering Sciences/ No.(1)/ Vol.(24): 2016

Investigation of the Corrosion and Scaling Potentials of Raw and Treated Water and Its Effect on Concrete Tanks at Al-Tayyaraa Water Treatment Plant - Journal of University of Babylon, Engineering Sciences, Vol.(26), No.(2): 2018.

Stay in Place Formwork, Encased Reinforced Concrete Column: A Review, Engineering and Technology Journal 41(11):1-24: 2023. DOI: 10.30684/etj.2023.139421.1428

Reviewing Activities

Reviewer for International Journals (Scopus / Clarivate): 146 peer review records of 98 manuscripts

Languages

- Arabic: Native
- English: Very Good (Academic Writing, Speaking, Reading)

Skills

- Concrete Mix Design & Testing
- Durability & Sustainability Analysis
- Statistical and Machine Learning Tools (Python, SPSS, Origin)
- Research and Academic Writing
- Supervision of Graduate Students