



CURRICULUM VITAE

Full name:

Razan Haedar Salem AL Marahla

1. Personal Data

Date of Birth: 17/4/1986

Nationality: Jordanian

2. Education

- PhD Civil (Structural) Engineering – University of Leeds, United Kingdom – 2021
- Masters in Structural Engineering –University of Jordan, Amman (Jordan) – 2013
- Bachelor's in Civil Engineering – Mutah University, AL Karak (Jordan)– 2008
- Higher Secondary School – Amman (Jordan)– 2004

3. Employment

Jan 2018 – June 2021

Key Responsibilities:

- Experimental and analytical research on the Fibre Reinforced concrete members with Glass Fibre reinforced polymers bars under short and long-term conditions.
- Worked as teaching assistant and delivered lectures and tutorials to undergraduate students (Structural & Stress Analysis, Plastic design, advanced concrete design, and reinforced concrete design)
- Authored conference and journal publications based on the experimental and analytical research.

Sep 2013– Oct 2016

Key Responsibilities:

- Teaching of several modules in Civil engineering department. Mainly, the modules concerned with the analysis and design of reinforced concrete structures (Statics, Structure analysis 1&2, Reinforced concrete design 1&2, Mechanics of materials, Strength of materials, Building constructions), in addition to lecturing in Architectural department.
- Supervision and providing guidance on the graduation projects for four groups, including preparation and delivery of design concepts, assess student's design using the structural design and analysis software like ETABS and Prokon, and facilitated their writing up progress.
- Working both independently and also as part of a larger team from Al-Ahliyya Amman University, engaging in knowledge-transfer activities where appropriate and feasible (identifying the structural aspects to be consider in the design from Architectural perspective).



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Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

Planned, organized, and provided the initial structural design for constructing the retaining walls in the Architectural department.

April 2012 – Aug 2013

Key Responsibilities:

- Day-to-day management and technical supervision of construction works for water pipe systems, manholes and drainage systems in the area assigned to me.
- Ensured provision and maintenance of water pipe systems under my supervision.
- Liaison and coordination with the contractor and the design regarding the construction of Dabouq reservoir's external walls.
- Prepared the formal approvals required for the initiation of works and reporting progress of ongoing engineering tasks in the project.
- Prepared and approved all the contractor's payment and invoices, worked on all the relevant quantity survey, contractor claims and followed all the changes in tender document.

May 2011 – March 2012

Key Responsibilities:

- Prepared the quantities required to prepare the tender documents for several projects under supervision of the head of department.
- Liaison and coordination with the design department to emphasize the use of BIM (Revit) in quantity survey.

(Sep 2008 – Dec 2009)

Key Responsibilities:

- Day-to-day inspection of the activities constructed by the contractor.
- Prepared the quantities for each station (cut and fill, material for each layer and asphalt).
- Following up the construction of culverts (box and pipe culvert).

Academic Positions

- Assistant Professor, Civil Engineering, Alzytoonah University, Amman, Jordan
September 2021 – now.

4. Research Interests

- Reinforced concrete fiber
- Reinforced concrete
- Cracking performance
- Flexural behaviour under sustained load.

5. Membership in Scientific Societies and Associations

Membership in Jordanian Engineering Association

6. Teaching Experience

Sep 2013– Oct 2016

Lecturer at Al-Ahliyya Amman University (Amman)



7. Publications

1. Al Marahla, R.H., Shehzad, M.K and Garcia-Taengua, E. Flexural and Deflection Behaviour of Synthetic FRC Beams Reinforced with GFRP Bars Under Sustained Service Load. Engineering Structures (currently under peer-review).
2. Al Marahla, R.H. and Garcia-Taengua, E. Cracking Behaviour of FRC Members Reinforced with GFRP Bars Under Sustained Loads. In RILEM-fib International Symposium on Fibre Reinforced Concrete (accepted, in press, Sep 2021). Springer, Cham
3. Al Marahla, R.H. and Garcia-Taengua, E., 2020, September. Compressive and Tensile Creep and Shrinkage of Synthetic FRC: Experimental Results and Comparison to Codes. In RILEM-fib International Symposium on Fibre Reinforced Concrete (pp. 392-401). Springer, Cham.
4. Al Marahla, R.H. and Garcia-Taengua, E., 2020, September. Sensitivity of the Flexural Performance of Glass and Synthetic FRC to Fibre Dosage and Water/Cement Ratio. In RILEM-fib International Symposium on Fibre Reinforced Concrete (pp. 301-312). Springer, Cham.
5. AbdulQader S. Najmi, Razan H. Marahlah, Swimmer Bars as Shear Reinforcement in Reinforced Concrete Flat Slabs, International Journal of Engineering and Advanced Technology (IJEAT).