

RESUME

Dr Majid D Muttashar

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EDUCATIONS

2013 – 2017 **PhD major (Structural Engineering)**

School of Civil Engineering and Surveying, Faculty of Health, Engineering and Sciences, University of Southern Queensland, Australia

Thesis: **Behaviour of Multi-Celled GFRP Beam Assembly with Concrete Infill: Experimental and Theoretical Evaluations**

1998 - 2001 **M.Sc major (Structural Engineering)**

Building and Construction Department, University of Technology, Iraq

Thesis: **Influence of Oil Products on physical and Electrical Properties of Concrete**

1994 - 1998 **B.Sc. in Building and Construction Engineering**

Building and Construction Department, University of Technology, Iraq

HONORS AND AWARDS

- USQ School – Specific Publication Excellence Award 2017
- Best Journal Paper for Center for Future Materials 2017
- Best Journal Paper for Center for Future Materials 2016

PROFESSIONAL AFFILIATIONS AND SERVICES

Reviewer

Construction and building materials-Journal/ Elsevier

Materials today/ Proceedings/ Elsevier

Developments in the Built environment/ Elsevier

Steel and composite structures, An International Journal/ Techno Press

Engineering and Technology Journal

University of Thi-Qar Journal

University of Thi-Qar Journal for Engineering Sciences

The 7th Global Conference on Materials Science and Engineering (CMSE 2018)

2nd International Conference on Advance of Sustainable Engineering and its Application (ICASEA 2018)

2nd International Conference on Materials Engineering & Science (IConMEAS 2019)

PUBLICATIONS

Journals

Muttashar M, Manalo A, Karunasena W, Lokuge W 2016, 'Flexural behaviour of multi-celled GFRP composite beams with concrete infill: Experiment and theoretical analysis', *Composite Structures*, vol.159, pp21-33.

Muttashar M, Manalo A, Karunasena W, Lokuge W 2016, 'Influence of infill concrete strength on the flexural behaviour of pultruded GFRP square beams', *Composite Structures*, vol.145, pp58-67.

M Muttashar, W Karunasena, A Manalo, W Lokuge 2015, 'Behaviour of hollow pultruded GFRP square beams with different shear span-to-depth ratios', *Journal of Composite Materials*.

Refereed conference proceedings

M Muttashar, W Karunasena, A Manalo, W Lokuge 2015, 'The effect of shear span-to-depth ratio on the failure mode and strength of pultruded GFRP beams', *Proceedings Joint Conference of the 12th International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures (FRPRCS-12) & the 5th Asia-Pacific Conference on Fiber Reinforced Polymers in Structures (APFIS-2015)*.

M Muttashar, W Karunasena, A Manalo, W Lokuge 2015, 'Testing and characterization of pultruded glass fibre reinforced polymer (GFRP) beams', *Proceedings Joint Conference of the 12th International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures (FRPRCS-12) & the 5th Asia-Pacific Conference on Fiber Reinforced Polymers in Structures (APFIS-2015)*.

M Muttashar, A Manalo, W Karunasena, W Lokuge 2014, 'Flexural and axial behavior of pultruded GFRP hollow sections filled with low strength concrete', *Australasian Composites Conference (CA 2014)*.

M Muttashar, W Lokuge, W Karunasena 2014, 'Geopolymer concrete: the green alternative with suitable structural properties', *23rd Australasian conference on the mechanics of structures and materials*.

TEACHING EXPERIENCES

• POSTGRADUATE

2018 – Current **College of Engineering , University of Thi-Qar, Iraq**
▪ Plate and shells

• UNDERGRADUATE

2017 – Current **College of Engineering , University of Thi-Qar, Iraq**
▪ Steel Design
▪ Engineering mechanics (Statics)
▪ Engineering mechanics (Dynamic)

2013 – 2017 **USQ**
▪ Conducting Practical classes for external student attending CIV3906
▪ Routine marker CIV3505 and CIV2503

2008 – 2012 **College of Engineering , University of Thi-Qar, Iraq**
▪ Steel Design
▪ Engineering and Numerical Analysis

2006 – 2008 **College of Engineering , University of Thi-Qar, Iraq**
▪ Engineering and Numerical Analysis
▪ Statistical

COMMUNITY SERVICES

- 2007 – till now Structural Designer and Consultant Engineer in the **Engineering Consulting Bureau/ Engineering College- University of Thi Qar** participates in design many projects (Nassiriyah Power Plant Housing Project, Dhi Qar Culture Palace project , Police Hospital Project ,Dhi Qar Secondary School project and Police Office Project etc.) and gave Engineering Consultancy for many existing Projects.
- 2015 – till now Structural Designer and Consultant Engineer in the **Multi- Specialists Consulting Bureau University of Thi Qar** participates in design many projects and gave Engineering Consultancy for many existing Projects.
- 2008 – 2010 **Consultant Project Manager with Al Nibal Company** Supervise, Consult and manage all activities for An Nassiriyah Olympic Pool and participate in secondary detail design in the project.
- 2007 –2008 **Consultant Project Manager with Al Mawahib Group Company** Supervise ,Consult and Manage all activities in Alshatra rainwater sewerage network (pipe line construction , manhole construction, pump station connection with pipe line and put some design for the net work) also consult and manage all activities for rigid pavement for 10000 m2.
- 2006 - 2007 **Project Manager with Al Samaama Company** Supervise, Consult and Manage all work activities in Switchgear, Inverted Siphon Substation Building, GRP pipe line construction and other Mechanical and Electrical works as a Contractor with Washington Group Company in An Nassiriyah Pump Station Project.
- 2004 –2006 **Deputy Project Manager for Thi Qar Health Clinic with Parsons Company** Working as Project manager for (8) Health Clinics managing (12) Field Engineers in addition to (3) QC Engineers and (2) Safety Engineers. Supervise and consult all construction activities in the Project.
- 2004 **Structural Design Engineer and Civil Design Engineer in Parsons Company.** Participating in design of 150 Health care centers in Iraq which divided into three groups of design, in addition to structural evaluation of 17th Hospitals.
- 2003 **Design Engineer and Auto CAD trainer in RTI Company** (Local Government Projects), training the Engineers in Amanat Baghdad in Iraq to use professional skills when using AutoCAD program.
- 2002- 2003 **Design Engineer and Head of Design Department in Amanat Baghdad** , supervises and provides design drawing for several projects (Al – Rusafa water project, 9 Nissan project, Small sewage project, etc.) in addition to supervising construction work of Pre- cast piles and Frankly Piles under water tank in the same project.

Design Projects and Consultant

Structural Designer with Engineering Consulting Bureau University of Dhi Qar participated in design:

- Dhi Qar Culture Palace project
- Police Hospital Project
- Dhi Qar Secondary School project
- Police Office Project
- Consultant Engineer for many existing project

- 2008 – 2010 **Consultant Engineer** with Al Nibal Company supervise the work for An Nassiryah Olympic Pool project.
- 2007 –2008 **Consultant Engineer** with Al Mawahib Group Company Supervise the work in Alshatra rainwater sewerage network and rigid pavement.

Language

- Arabic (Mother Tongue)
- English (Writing and Speaking).

References available upon request