

## RESUME (CV)

### PERSONAL DETAILS

**Name** : Dr. Mohammed Adnan Basher  
**Date of Birth** : 30<sup>th</sup> Dec. 1980  
**Nationality** : Iraqi  
**Marital Status**: Married  
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### EDUCATION

- 2010** PhD of Civil and Structural Engineering,  
Faculty of Engineering, National University of Malaysia (UKM), Malaysia  
**2006** Master of Civil and Structural Engineering,  
Faculty of Engineering, National University of Malaysia (UKM), Malaysia  
**2002** Bachelor of Civil and Structural Engineering.  
Faculty of Engineering, University of Mosul, Iraq.

*“PhD Thesis Title: Ultimate Load Behavior of Horizontally Curved Steel-Concrete Composite Plate Girders”*

### EXPERIENCES

- 08/2002- Now** Member of Iraqi Engineers Union
- 08/2002-07/2004** Site engineer, Modren Construction Office, Mosul, Iraq
- 07/2006-12/2006** LUSAS software and Finite Elements tutor for Master and Undergraduate students by English Language, Faculty of Engineering, National University of Malaysia (UKM), Malaysia
- 01/2007-01/2008** Researcher assistant and co-advisor for master and undergraduate students, Faculty of Engineering, National University of Malaysia (UKM), Malaysia
- 10/2010-11/2011** Project manager, Shilova Construction Company, Dohuk, Iraq
- 11/2011-Now** Academic senior lecturer, Technical College/ Mosul, Mosul, Iraq, lecturer of undergraduate and master students, supervisor of two master students

## COMPUTER LITERACY

- All operating systems and Microsoft programs
- Structural Engineering programs: Staad Pro Package, Midas, ANSYS, LUSAS, Prokon, Plaxis, SamLeap and AutoCad.

## TEACHING AREAS

Undergraduate level:

- Strength of materials and Applied Mechanics
- Theory of Structures
- Structural Analysis
- Structural Stability

Graduate level:

- Theory of Structural Stability
- Plate Structures
- Analysis of Prestressed members
- Experimental Stress Analysis
- Advanced Structural Steel Design

## RESEARCH INTERESTS

- Computational mechanics; finite element method; numerical methods; structural stability; steel structures; computer-aided engineering.
- Long-Span composite structures; composite frames; composite bridges; composite connections.
- Plate girders curved in plan, tapered plate girders and composite plate girders.
- Composite box girders curved in plan.
- Openings in thin-walled structures.
- GFRP composite structures.

## SELECTED PUBLISH

**Basher M A**, Shanmugam N E, Khalim A R, Horizontally curved composite plate girder, Proceedings of 5th International Conference on Current and Future Trends in Bridge Design. Construction and Maintenance, Beijing, China, 2007, p 282-292.

**Basher M A**, Khalim A R, Shanmugam N E, Shear buckling of webs in horizontally curved composite plate girders, Proceedings of Engineering Postgraduate Conference, Bangi, Malaysia, 2008.

**Basher M A**, Khalim A R, Shanmugam N E, Post buckling strength of webs in horizontally curved composite plate girders, Proceedings of 5<sup>th</sup> International Conference on Thin Walled Structures, Brisbane, Australia, 2008

Shanmugam N E, **Basher M A**, Khalim A R, Shear strength of horizontally curved composite I girders, Proceedings of the Structural Stability Research Council Annual Stability Conference, Nashville, USA, 2008.

**Basher M A**, Khalim A R, Shanmugam N E, Effects of Web Openings on the Behaviour of Horizontally Curved Composite Plate Girders, Proceedings of The 5th International Symposium on Steel Structures, Seoul, South Korea, 2009, p644- 651.

- Basher M A**, Shanmugam N E, Khalim A R, Web openings in horizontally curved composite plate girders, Journal of Constructional Steel Research, Vol.65, Issue 8-9, 2009, p 1694-1704.
- Shanmugam N E, **Basher M A**, Khalim A R, Ultimate load behavior of horizontally curved composite plate girders, International Journal of Steel and Composite Structures, Vol. 9, No. 4, 2009, p 325-348.
- Basher M A**, Shanmugam N E, Khalim A R, Finite element studies on horizontally curved composite plate girders, Proceedings of Sixth International Conference on Advances in Steel Structures, Hong Kong, China, 2009.
- Basher M A**, Shanmugam N E, Khalim A R, Ultimate load behaviour of horizontally curved plate girders with trapezoidally corrugated webs, Proceedings of 4<sup>th</sup> International Conference on Steel & Composite Structures, Sydney, Australia, 2010.
- Basher M A**, Shanmugam N E, Khalim A R, An approximate method for the ultimate strength of horizontally curved composite plate girders, Proceedings of The Tenth International Conference on Computational Structures Technology, Spain, 2010.
- Basher M A**, Shanmugam N E, Khalim A R, Horizontally curved composite plate girders with trapezoidally corrugated webs, Journal of Constructional Steel Research, Vol.67, Issue 6, 2011, p 947-965.
- Shanmugam N E, **Basher M A**, Khalim A R, An approximate method for the ultimate shear strength of horizontally curved composite plate girders, Journal of Civil Engineering and Management, Vol. 20 (iFirst), 2014, p 1-8.
- Basher M A**, Jalabi D H, Pedestrians bridge of composite concrete slabs/ GFRP I-girders system, Proceedings of International Civil Engineering & Architecture Symposium for Academicians, Antalya, Turkey, 2014.
- Basher M A**, Jalabi D H, Foam concrete precast elements in composite concrete-GFRP plate girders, International Journal of Enhanced Research in Science Technology & Engineering, Vol. 3 Issue 6, 2014, p 328-333.

## PROFILES

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=24921500000>  
 Google Scholar: <https://scholar.google.com/citations?user=vHDBL30AAAAJ&hl=ar>  
 ORCID: <https://orcid.org/0000-0003-1868-2436>  
 Web of Science: <https://www.webofscience.com/wos/author/record/ABD-2000-2020>  
 Research Gate: <https://www.researchgate.net/profile/Mohammed-Basher>