



1. Name and Academic Rank: **Adnan C. MASRI**, Professor of Civil Engineering

2. Education:

- Ph.D. Civil Engineering: Structural Eng., University of Michigan, Ann Arbor, USA 1994
- M.S. Civil Engineering: Structural Eng., University of Michigan, Ann Arbor, USA 1990
- B.E. Civil Engineering: Beirut Arab University, Lebanon 1987

3. Academic Experience

- Chairperson of Civil & Environmental Eng. Depart. , Beirut Arab University, Beirut - Lebanon, 2015-present.
- Professor of Civil Engineering, Beirut Arab University, Beirut, Lebanon, 2011-present, (Full time).
- Associate Professor of Civil Engineering, Beirut Arab University, Beirut - Lebanon, 2004-2011, (Full time).
- Assistant Professor of Civil Engineering, Beirut Arab University, Beirut - Lebanon, 1995-2004, (Full time).
- Teaching Assistant, Beirut Arab University, Beirut - Lebanon, 1987-1988, (Full time).

4. Non Academic Experience

- Engineering Advisor for Societe Mediteranne des Grand Hotels (owners of Beirut Grand Hyatt Hotel at Solidere District with estimated cost of \$200 Million US Dollars), (1996-2008).
- Assessment & Rehabilitation of 20 buildings severely damaged at Beirut southern suburb, July 2006.
- Rehabilitation and strengthening for 12 residential buildings in Naameh Compound, June 2002.
- Structural assessment of the Barbeer Major Hospital, Beirut – Lebanon, (1998-1999).
- Senior Structural Engineer, DAR Al Handasah (Shair), Beirut, Lebanon, (1994-1995).

5. Certification or Professional Registration

- Civil Engineer (# 10186), Member of the Order of Engineers, Beirut, 1988- present.

6. Current Membership in Professional Organizations

- Member of the Makassed Graduates Alumni Association, (1981).
- Member of the Beirut Arab University Alumni Society, (1988).
- Member of the Hariri Alumni Association, (1995).
- Member of the Technical Committee in Civil Engineering formed by the Ministry of Higher Education in Lebanon for Licensing of Civil Eng. Programs, 2017-present.

7. Honors & Awards

- Graduated with degree of honor from Beirut Arab University, (1987).
- Scholarship from the Hariri Foundation for undergraduate studies, (1985-1987).
- Scholarship from the Hariri Foundation for graduate studies, (1988-1994).
- Hariri Foundation Award for graduation with honor (December 1994).
- Beirut Arab University Award for 25th years accomplishments in teaching & research (June 2012).

8. Service Activities



- Supervising the Material Materials Laboratory Supervisor at Beirut Arab University, Faculty of Engineering, Debbieh Campus. 2015- present.

9. Principal publications and presentations:

9.1 Textbook None

9.2 Journal Publications

1. Edlebi G., Masri A., Baalbaki O., and Wehbi N., “*Experimental and Numerical Investigation on the Behavior on Reinforced Concrete Walls Strengthened by Steel Members*”, Asian Journal of Civil Engineering, Springer, January 2024.
2. Kassem L., Masri A., and Wehbi N., “*Behavior of Concrete Mixes Using Recycled Aggregate Confined with Steel Sections*”, BAU Journal-Science and Technology, Vol. 5, Issue 1, December 2023.
3. Wehbi N., Masri A., and Baalbaki O., “*Flexural Behavior of Partially Composite Concrete-Encased Steel Tubular Beams*”, Magazine of Civil Engineering, Issue 3, Article 3, January 2022.
4. Wehbi N., Masri A., and Baalbaki O., “*Investigation of the Experimental and Numerical Flexural Behavior of Innovative Totally Encased Composite Beams*”, BAU Journal - Science & Technology, Vol. 3, Issue 1, Article 3, January 2022.
5. Slika W., Masri A., and Baalbaki O., “*Flexural Testing of Various Composite Beams under Quasi-Static Loads*”, BAU Journal-Science & Technology, Vol1. Issue 1, December 2019.
6. ElKhansa H., Masri A., and Abou Saleh Z., “*Numerical and Experimental Evaluation of Fully Encased Cold Formed Steel Joists in Pre-stressed Concrete*”, International Journal of Civil Engineering and Technology (IJCET), Volume 9, Issue 8, pp. 1821–1838, August 2018.
7. Reslan N., Masri A., and Machaka M., “*Composite Shear Walls: An Efficient Resistant System for Multi-Story Buildings*”, Journal of Steel Structures & Construction, 2018, Vol 4, Issue 1.
8. Wehbi N., Masri A., “*Fire Resistance of Built-up Steel Section Completely Encased in Concrete*”, Journal of Engineering Science & Technology Review, November 2017.
9. Ahmad S., Masri A., Abou Saleh Z., “*Analytical and Experimental Investigation on the Flexural Behavior of Partially Encased Composite Beams*”, Alexandria Engineering Journal, ELSEVIER, May 2017
10. Hamad B., Masri A., Basha H., and Baalbaki O., “*Behavior of T-Shaped Reinforced Concrete Beams Partially Confined by Structural Steel*”, Journal of Construction and Building Materials, ELSEVIER, Volume 25, Issue 2, pp. 1037-1043, February 2011

9.3 Conference Proceedings (last 5 ones)

1. ElKhansa H., Masri A., and Abou Saleh Z., “*Behavior of Fully Encased Cold Formed Steel Joists with/without Web Openings: Experimental Investigation*”, Proceedings of the 2nd European & Mediterranean Structural Eng. & Construction Conference (EURO-MED-SEC-2), American University of Beirut, Beirut Lebanon, ISEC press, July 2018.
2. Al-Mawed S., Masri A., El Kordi A., Baalbaki O., and Khatib j., “*Numerical Modeling of Rigid Steel Beam-Column Connections Subjected to Cyclic Loads*”,



Proceedings of the 2nd International Congress on Engineering & Architecture (ENAR), Marmaris-Turkey, April 2019.

3. Hakim, A., and Masri A., “*Seismic Evaluation and Strengthening of Existing Low-Rise Reinforced Concrete Building (CASE Study)*”, Proceedings of the 2nd European & Mediterranean Structural Eng. & Construction Conference (EURO-MED-SEC-2), American University of Beirut, Beirut Lebanon, July 2018. To be published by ISEC press.
4. Wehbi, N., and Masri A., “*Numerical Model of the Fire Resistance of Totally Encased Built-up Steel Section*”, Proceedings of the 2nd European & Mediterranean Structural Eng. & Construction Conference (EURO-MED-SEC-2), American University of Beirut, Beirut Lebanon, July 2018. To be published by ISEC press.
5. Masri A., “*Response of Various Composite-Beam Systems to Quasi-Static Bending Loads*”, Proceedings of the Seventh Alexandria International Conference on Structural and Geotechnical Engineering, Alexandria-EGYPT, December 2010

10. Professional Development Activities

- Organized & Lectured **12** training sessions (21 hours each) for civil engineers on the use of SAP2000 and ETABS computer programs, ECTU - BAU (1998-2010).
- Supervising 4 graduate students performing research on Innovative Composite Structural Systems.