1. **Name and Academic Rank: Nour Wehbi**, Assistant Professor, (full time), Faculty of Engineering.
2. **Education: Degrees, Discipline, Institution and Date:**

- Ph.D. in Civil Engineering - Emphasis: Structural & Geotechnical Engineering, Beirut Arab University, Beirut, Lebanon, 2022.
- M.E. in Civil and Environmental Engineering - *with High Distinction* - Beirut Arab University, Beirut, Lebanon, 2016.
- B.E. in Civil and Environmental Engineering - *with High Distinction* - Beirut Arab University, Beirut, Lebanon, 2015.

3. Academic experience

- Beirut Arab University, Assistant Professor, August 2022 - present, Full Time.
- Beirut Arab University, Teaching Assistant, 2016-2022.

- Undergraduate Courses: Steel Design, statics, Structural Analysis I, Construction Planning & Scheduling, Construction Project Management.

4. Non-academic experience

- Freelance Structural Design Engineer: Engaged in freelance structural engineering consultancy, including the structural analysis and design of reinforced concrete buildings and steel structures. Professional experience also includes the design of steel supporting frames for solar panel installations in collaboration with Green Arms, applying structural engineering principles and relevant design codes to ensure safety, stability, and structural efficiency.
- Site Engineer at EMC, Beirut, Lebanon, 2015.
- Structural Design Internship with Lebanese Army,2014

5. Certification or professional Registration

- Civil Engineer - Member of the Order of Engineers & Architects of Beirut
- Member of the Beirut Arab University Alumni Society, (2015).

6. Current membership in professional organizations

- American Society of Civil Engineers Member (ASCE).
- Member, International Union of Laboratories and Experts in Construction Materials, Systems and Structures (RILEM).

7. Honors and Awards:

- BAU Doctoral Scholarship, 2016-2022.
- BAU Master's degree Scholarship, 2015-2016
- BE with excellent degree from Beirut Arab University, Beirut, Lebanon

8. Service Activities

Beirut Arab University (2017–Present)

Teaching and Academic Supervision

- Teaching undergraduate and postgraduate courses in structural engineering, steel design, statics, structural analysis, concrete structures, construction planning and scheduling, and construction project management.
- Supervising undergraduate Final Year Projects.
- Supervising and co-supervising master's theses and non-thesis projects.
- Participating in postgraduate thesis examination committees.

Academic and Administrative Service

- Secretary of the Civil and Environmental Engineering (CEE) Department Council.
- Member of the Scheduling Committee.
- Member of the Final Examinations Committee.
- Contributing to curriculum development and continuous academic improvement.
- Participating in the preparation of ABET self-study reports and accreditation activities.
- Contributing to academic and administrative activities within the CEE Department.

Scientific Peer-Review Activities

- Journal of Building Engineering – *Elsevier.*
- Advances in Civil Engineering – *Hindawi.*
- BAU Journal – Science and Technology – *Beirut Arab University.*

9. Research Interests

- Steel–Concrete Composite Structures
- Structural Strengthening and Rehabilitation
- Sustainable Construction Materials and Recycled Concrete
- Experimental and Numerical Structural Analysis (ABAQUS)
- Structural Fire Resistance
- Structural Health Monitoring and Damage Assessment
- Corrosion-Induced Structural Deterioration
- Structural Reliability and Life-Cycle Performance Assessment
- Innovative Structural Systems and Advanced Materials

10. **Principal publications and presentations**:

10.1 Peer-Reviewed Journal Articles

1. Slika, W., & **Wehbi, N.** (2026). Adaptive feedback-based thermal management of mass high-performance concrete: Field validation and performance assessment on a raft foundation. *Journal of Building Engineering, 132*, Article 117468.
2. **Wehbi, N.**, Saad, M., Mrad, D., Kassem, L., & Masri, A. (2026). Investigation on ring-steel confinement of concrete columns utilizing recycled materials. *Journal of Umm Al-Qura University for Engineering and Architecture*. https://doi.org/10.1007/s43995-026-00305-6

3. Slika, W., Fawaz, J., & **Wehbi, N.** (2026). Output-only vibration-based identification of dynamic properties in corroded RC beams: Influence of steel configuration and correlation with initial stiffness. *Journal of Umm Al-Qura University for Engineering and Architecture*. Advance online publication. https://doi.org/10.1007/s43995-026-00289-3
4. Alsayed, H., **Wehbi, N.**, Khatib, J., Kırgız, M. S., & El Hassan, H. (2025). Light transmitting concrete with glass and optical fibers: A solution for sustainable buildings—A review. *Mechanics of Composite Materials, 61*(4). https://doi.org/10.1007/s11029-025-10309-3
5. Kassem, L. S., Masri, A., & **Wehbi, N.** (2024). Behavior of concrete mixes using recycled aggregate confined with steel sections. *BAU Journal – Science and Technology*. https://doi.org/10.54729/2959331X.1103
6. Edelbi, G., Masri, A., & **Wehbi, N.** (2024). Experimental and numerical investigation on the behavior of reinforced concrete walls strengthened by steel members. *Asian Journal of Civil Engineering, 25*(4). https://doi.org/10.1007/s42107-023-00943-4
7. **Wehbi, N.**, Masri, A., & Baalbaki, O. (2022). Flexural behavior of partially composite concrete-encased steel tubular beams. *Magazine of Civil Engineering, 111*(3), Article 11105. https://doi.org/10.34910/MCE.111.5
8. **Wehbi, N.**, Masri, A., & Baalbaki, O. (2021). Investigation of the experimental and numerical flexural behavior of innovative totally encased composite beams. *BAU Journal – Science and Technology, 3*(1), Article 3.
9. **Wehbi, N.**, & Masri, A. (2017). Fire resistance of built-up steel section completely encased in concrete. *Journal of Engineering Science and Technology Review, 10*(5), 153–158. https://doi.org/10.25103/jestr.105.19

10.2 Book Chapters

1. **Wehbi, N.,** Edelbi, G., Khatib, J., & Kırgız, M. S. (2026). Analysis and design of prestressed composite beams. In M. S. Kırgız & J. Khatib (Eds.), Wiley. https://doi.org/10.1002/9781394219384.ch4

10.3 International Conference Proceedings

1. Edelbi, G., Masri, A., Baalbaki, O., & **Wehbi, N**. (2024). Behavior of externally reinforced post-tensioned shear walls under lateral loads. In Proceedings of the 9th International Conference on Civil, Structural and Transportation Engineering (ICCSTE'24). International ASET Inc.
2. **Wehbi, N. A.,** & Slika, W. G. (2019). A health monitoring framework for optimal service life predictions of steel structures under fatigue loading. In Proceedings of the 3rd ECCOMAS Thematic Conference on Uncertainty Quantification in Computational Sciences and Engineering (pp. 653–662).

11. Professional development activities

- **AI in Research: Practical Applications for Academic Staff** – Beirut Arab University, Debbieh Campus, October 19–21, 2026.
- **Research Communication Lab 3: Fundamentals of Research Integrity and Publishing Ethics** – Taylor & Francis, March 16, 2026.

- **Research Communication Lab 2: Choosing a Quality Journal for Your Work** – Taylor & Francis, February 25, 2026.
- **Research Communication Lab 1: Fundamentals of Publishing** – Taylor & Francis, January 28, 2026.
- **Team-Based Learning: An Effective Tool for Student Engagement** – Quality Assurance Center, Beirut Arab University, 2024.
- **Successful Negotiation** – Coursera, 2022.
- **Design Thinking Workshop** – Beirut Arab University, 2021.