



- 1. Name and Academic rank:** Lina A. Jaber, Assistant professor (full time), Faculty of Engineering

- 2. Education: Degrees, discipline, institution, and date:**
 - Ph.D., Civil Engineering, Geotechnical, Beirut Arab University, Debbieh, Lebanon 2018
 - M.S., Civil Engineering, Geotechnical Engineering, Beirut Arab University, Debbieh, Lebanon 2013
 - B.E in Civil Engineering, General Civil, Beirut Arab University, Debbieh, Lebanon 1997

- 3. Academic experience**
 - Assistant professor at Civil and Environmental Eng. Depart., Beirut Arab University, Debbieh, Lebanon, 2018-present, (Full time).
 - Lecturer at Civil and Environmental Eng. Depart., Beirut Arab University, Debbieh, Lebanon, 2013-2018 (Full time).
 - Teaching Assistant at Civil and Environmental Eng. Depart., Beirut Arab University, Debbieh, Lebanon, 1997 - 2000

- 4. Nonacademic experience**
 - Supervised and instructed training sessions for senior civil engineering students and for professional engineers on the use of ROBOT and ETABS computer programs at Beirut Arab University – ECTU, (1997-2012).
 - Supervised and instructed training sessions for senior civil engineering students and for professional engineers on the use of ROBOT and ETABS computer programs at the Lebanese Syndicate of Engineering, (1997-2012).
 - Supervising the Soil Laboratory at Beirut Arab University, Engineering Consultancy and Testing Unit (ECTU), (2013-present).
 - Instructed a training session for senior civil engineering students on the use of PLAXIS computer program at Beirut Arab University. (2013-present)

- 5. Certification or professional registration**
 - Member of the Makassed Graduates Alumni Association, (1991).
 - Member of the Lebanese Syndicate of Engineering, (1997).
 - Member of the Beirut Arab University Alumni Society, (1997)

- 6. Academic activities**
 - Teaching: Engineering Geology, Soil Mechanics, Foundation Engineering, Retaining Structures and Soil improvement (2013- Present)
 - Student affairs Committee Member (2013-present)
 - Head of Student Activities Committee (2014-2016)
 - Website Committee Member (2017-present)



- Quality assurance Committee Member (2020- present)
- Students' orientation (2017- present)

7. Publications

- Fawaz, A., Alhakim, G., & Jaber, L. (2024). The stabilization of clayey soil by using sawdust and sawdust ash. *Environmental Technology*, 1-11.
DOI: [10.1080/09593330.2024.2304674](https://doi.org/10.1080/09593330.2024.2304674)
- Jahami, A., Halawi, J., Temsah, Y., & Jaber, L. (2023). Assessment of Soil–Structure Interaction Effects on the Beirut Port Silos Due to the 4 August 2020 Explosion: A Coupled Eulerian–Lagrangian Approach. *Infrastructures*, 8(10), 147. MDPI AG.
Retrieved from <http://dx.doi.org/10.3390/infrastructures8100147>
- Jaber, L., Mezeh, R., Zein, Z., Azab, M., & Sadek, M. (2023). Nonlinear numerical analysis of influence of pile inclination on the seismic response of soil-pile-structure system. *Geomechanics and Engineering*, 34(4), 437–447.
<https://doi.org/10.12989/GAE.2023.34.4.437>
- Mekdash, H., Jaber, L., Temsah, Y., & Sadek, M. (2023). Comparative analysis of anchored and pre-stressed pile walls: A case study of a waterfront project in Beirut, Lebanon. *Materials Today: Proceedings*.
- Alhakim, G., Baalbaki, O., & Jaber, L. (2023). Compaction and shear behaviors of sandy soil treated with lime and Metakaolin. *Geotechnical and Geological Engineering*
- Alhakim, G., Núñez-Temes, C., Ortiz-Sanz, J., Arza-García, M., Jaber, L., & Gil-Docampo, M. D. L. L. (2023). Experimental application and accuracy assessment of 2D-DIC in meso-direct-shear test of sandy soil. *Measurement*, 211, 112645.
- Alhakim, G., Baalbaki, O. & Jaber, L. Effects of incorporation of cement and metakaolin on the mechanical properties of poorly graded sand. *Arab J Geosci* **15**, 1777 (2022).
<https://doi.org/10.1007/s12517-022-11080-8>
- Alhakim, G., Jaber, L., Baalbaki, O., & Barraaj, F. (2023). Utilization of Fan Palm, Date Palm, and Phragmites Australis fibers for improving the mechanical behavior of sandy soil. *Geomechanics for Energy and the Environment*, 33, 100427.



- Mekdash, H., Jaber, L., Temsah, Y., & Sadek, M. (2022). Reinforcement of Concrete Shoring Systems by Prestressing. *Advances in Civil Engineering*.
- Zein, Z., Jaber, L & Temsah, Y. (2021). Dynamic Soil-Structure Interaction Analysis: Detecting the Reliability of Modelling the Piles as a Plate Element for a Multistory Building Resting on Deep Foundation. *BAU Journal - Science and Technology*: 2(2), 8.
- Mekdash, H., Jaber, L., Temsah, Y, (2021). Cantilever shoring piles with prestressing strands: an experimental approach. *International Journal of Structural and Construction Engineering* 15 (6), 296-300.
- Jaber, L., Temsah, Y., Hage Chehade, F., El Mossallamy, Y., (2018). Constitutive Models on Dynamic Response of Multi-Story Buildings. *Journal of Engineering Science and Technology Review*.
- L. Jaber, Y. Temsah, Y. El Mossallamy, F. Hage Chehade, (2018). The Effect of Basement Stories on the Dynamic Response of High-Rise Buildings. *Geomeast Springer proceedings*.
- Y. Temsah, L. Jaber, "Introduction to Building Stability and Bridge Design", 1998, book published by Dar El Rateb, Beirut Lebanon.

8. Professional development activities

- I participated in the "Promoting Graduate Employability in Lebanon" event organized by USAID at Balamand University on January 18, 2024.
- I attended a webinar on "Clay Building in Contemporary Architecture" organized by the Austrian Embassy on January 24, 2024.
- Attended training on instructional design and e-learning from 14 Nov. to 18 Nov. 2022. The 5-day workshop was organized by the Universities Association of Lebanon (UAOLB), in collaboration with the Directorate General of Higher Education at the Ministry of Education and Higher Education (DGHE), the United Nations Education and Culture Organization (UNESCO) Beirut office, the Connected Learning in Crisis Consortium (CLCC) and the United Nations High Commissioner for Refugees (UNHCR).
- Gave a speech on international women's day organized by the ASCE chapter at Beirut Arab University. This event hosted a series of webinars introducing women in engineering from different countries in the world. March 8, 2021.



- Presented in “the second Dardacha Talks- for Science Detox”, October 14 2019. This talk was organized by the National Observatory for Women in Research, the Nation Council for Scientific Research, Beirut Arab University, and the Lebanese National Commission for UNESCO.
- Attended a seminar on “Les Eurocodes et l’Elaboration des Annexes Nationales Libanais” at the Order of Engineers and Architects on the 21st of February 2019
- Attended the 1st Academia- Industry Workshop at IUL with collaboration with the Order of Engineers and Architects on Wednesday, April 10th, 2019 under the title of “Public Safety Culture: Education, Implementation and Control
- Presented a lecture in the conference.
"السائل في العالم ولبنان في العقد الأخير بين التاريخ وحقيقة الواقع"
organized by the Order of Engineers and Architects on 28/11/2018 titled: "Soil structure interaction behavior under earthquake effects."
- Attended "the teaching skills workshop", a total of 6 sessions by Dr. Wissam Chibani at BAU, Beirut Campus
- Attended Scientific Research and higher Education “Challenges and Perspectives”, Unesco palace.

9. Languages

Arabic, French and English.