

# Mohammed Gamal AL-HAGRI

Assist. Prof. Dr.  
Civil Engineering Department  
ISTANBUL AYDIN UNIVERSITY  
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## Education

<b>PhD</b> 09.2017-02.2023	<b>Konya Technical University - Konya, Türkiye</b> Graduate Education Institute, Department of Civil Engineering (Turkish) <ul style="list-style-type: none"><li>• Full Scholarship</li></ul>	<b>97/100</b>
<b>Master's Degree</b> 09.2014-07.2016	<b>Aligarh Muslim University, Aligarh, India</b> Faculty of Engineering, Civil Engineering (Structural Engineering) (English), <ul style="list-style-type: none"><li>• Full Scholarship</li><li>• Placed in the First Division with Honors</li></ul>	<b>9.11/10</b>
<b>Bachelor's Degree</b> 09.2007-09.2012	<b>Aleppo University – Aleppo, Syria</b> Faculty of Engineering, Civil Engineering (Arabic), <ul style="list-style-type: none"><li>• Full Scholarship</li><li>• Graduated with the second highest rank among 300 students</li></ul>	<b>83.4/100</b>

## Work Experiences

<i>Assist. Prof. Dr., Department of Civil Engineering, ISTANBUL AYDIN UNIVERSITY, ISTANBUL</i>	September 2023 – cont.
<i>Projects Files Organizer, Public Works Project, Sana'a, Yemen</i>	August 2013 - September 2013

## Languages

- Arabic (Mother Tongue)
- English (Advanced Level)
  - EYÖKDİL, (93.75/100), Higher Education Institutions Computer-Based Foreign Language Test (e-YÖKDİL) – (ENGLISH-SCIENCE) – 20.05.2023
  - IELTS, (7), AMIDEAST, Delhi, India - 10.2016
  - TOEFL iBT (84), Modern American Language Institute (MALI), Sana'a, Yemen - 11.2013
- Turkish (Advanced Level)
  - Advanced level (C1+), (Score AA), Selcuk University, Türkçe Öğretimi Uygulama ve Araştırma Merkezi, Konya, Türkiye - 06.2017

## Publications

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1. Al-Hagri, M. G., & Döndüren, M. S. (2025). Effect of single and hybrid incorporation of steel, polypropylene, and PET fibers on the properties of concrete under static and impact loading. *Magazine of Concrete Research*, 1–43. <https://doi.org/10.1680/jmacr.24.00401>
2. Al-Hagri, M. G., Döndüren, M. S., Yılmaz, T., Anıl, Ö., Erol, H., & Şengel, H. S. (2024). Low-velocity impact behavior of two-way SFRC slabs strengthened with steel plate. *Archives of Civil and Mechanical Engineering*, 24(3), 144. <https://doi.org/10.1007/s43452-024-00961-2>
3. Al-Hagri, M. G., & Döndüren, M. S. (2023). Experimental study on static and impact properties of concrete incorporating different nanoparticles in single and combined forms. *Magazine of Concrete Research*, 76(8), 1–35. <https://doi.org/10.1680/jmacr.23.00156>
4. Döndüren, M. S., & Al-Hagri, M. G. (2023). Single and Combined Effect of Fine and Coarse Tire Rubbers on the Static, Microstructural, and Impact Properties of Concrete. *Strength of Materials*, 55(5), 1055–1078. <https://doi.org/10.1007/s11223-023-00596-3>
5. Al-hagri, M. G., Nakipoglu, A., & Döndüren, M. S. (2023). Effect of arrangement of masonry infill walls , shear walls and steel bracings on the story drift and stiffness irregularity. *Advanced Engineering Science*, 3, 85–97.
6. Nakipoglu, A., Al-Hagri, M. G., & Döndüren, M. S. (2022). Effect of column cross section and concrete compressive strength on the resistance of RC columns subjected to axial loads and loads created by creep. *Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi*, 11(4), 999–1005. <https://doi.org/10.28948/ngumuh.1088498>
7. Al-Hagri, M. G., & Döndüren, M. S. (2022). Effect and optimization of incorporation of nano-SiO<sub>2</sub> into cement-based materials – a review. *Challenge Journal of Concrete Research Letters*, 13(1), 36–53. <https://doi.org/10.20528/cjcr.2022.01.004>
8. Döndüren, M. S., & Al-Hagri, M. G. (2022). A review of the effect and optimization of use of nano-TiO<sub>2</sub> in cementitious composites. *Research on Engineering Structures and Materials*, 8(2), 283–305. <https://doi.org/10.17515/resm2022.348st1005>
9. [INNOVATION PATENT] A Method for Preparing Modified Cement and Evaluating Mechanical and Chemical Properties  
Mohammed Arif, Mohammed Gamal Al-Hagri, M. Shariq, I. Rahman, Amer Hassan, Abdul Baqi,  
Patent Place: Australian Government (IP Australia). Patent No.: 2021101312. Patent Date: 05/05/2021.  
<http://pericles.ipaustralia.gov.au/ols/auspat/quickSearch.do?queryString=2021101312&resultsPerPage=>
10. Arif, M., Al-Hagri, M. G., Shariq, M., Rahman, I., Hassan, A., & Baqi, A. (2020). Mechanical Properties and Microstructure of Micro- and Nano-additives-Based Modified Concrete Composites: A Sustainable Solution. *Journal of The Institution of Engineers (India): Series A*, 101(1), 89–104. <https://doi.org/10.1007/s40030-019-00411-w>
11. Koçer, M., Nakipoğlu, A., Öztürk, B., Al-Hagri, M. G., & Arslan, M. H. (2018). DEPREM KUVVETİNE ESAS SPEKTRAL İVME DEĞERLERİNİN TBDY 2018 ve TDY 2007'ye GÖRE KARŞILAŞTIRILMASI. *Journal of Selcuk-Technic*, 17(2), 43–58.
12. Koçer, M., Öztürk, B., Nakipoğlu, A., Al-Hagri, M. G., & Arslan, M. H. (2018). Investigation of Displacement Demands in Reinforced Concrete Buildings in The Context of The Changed Seismic Code. *3rd International Congress on Engineering, Architecture and Design*.
13. Koçer, M., Nakipoğlu, A., Öztürk, B., Al-Hagri, M. G., & Arslan, M. H. (2018). Comparison of Seismic Load Based Spectral Acceleration Values According to TBSC

2018 and TSC 2007. *3rd International Congress on Engineering, Architecture and Design.*

## Projects

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### **Bilimsel Araştırma Projeleri (Scientific Research Projects) (BAP)**

**03.2020 – 09.2022**

- Project Title: An Experimental Investigation of The Behavior of Two-Way Reinforced Concrete Slabs Strengthened with Additive Materials, Steel Fiber and Steel Plate Under Low-Velocity Impact Loading
- Project No: 201104025
- Assistant Researcher

## Key Skills

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### **Computer:**

- Can type quickly and efficiently, use computers in Arabic, Turkish and English languages
- Can use Microsoft Office, OriginLab, Photoshop etc. applications very well.

### **Engineering Programs:**

- **ABAQUS Program**, used it efficiently in my PhD thesis
- **STAAD Program**, YZ Educational Society Institute, Aligarh, India - 05.2016
- **ETABS Program**, Syrian Engineers Association, Aleppo, Syria - 09.2011
- **Auto Land Desktop Program**, Syrian Engineers Association, Aleppo, Syria - 08.2011
- **Primavera Program**, Syrian Engineers Association, Aleppo, Syria - 07.2011
- **AutoCAD Program (2D and 3D)**, Modern British Institute, Sana'a, Yemen - 08.2008
- **Advanced Excel**
- **MS Project**
- **SAP2000**