

## Res. Asst. GAMZE MURATOĞLU

### Personal Information

**Email:** mgamze@metu.edu.tr

**Web:** <https://avesis.metu.edu.tr/mgamze>

### International Researcher IDs

ScholarID: oAFCFxcAAAAJ

ORCID: 0000-0002-9082-3195

Publons / Web Of Science ResearcherID: ABA-1337-2020

ScopusID: 57383480900

Yoksis Researcher ID: 317009

### Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 2022 - Continues

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Civil Engineering, Turkey 2019 - 2022

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 2014 - 2019

### Research Areas

Structural Engineering, Earthquake Engineering

### Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2020 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

I. **Local site effects at the selected stations affected by the February 6 2023 Türkiye Earthquake Sequences**

İlhan O., İndir O., Muratoğlu G., İçen A., Albayrak K., Sandikkaya M. A., Askan Gündoğan A., Arduino P., Taciroğlu E. Soil Dynamics and Earthquake Engineering, vol.178, 2024 (SCI-Expanded)

### Articles Published in Other Journals

I. **Unexpected soil amplification effect on seismic performance of highway bridges during the Aegean earthquake of October 2020, Mw 6.6**

Muratoğlu G., Karakuş B., Caner A., Arslan H., Pelen N., Genisoglu U., Atak B. BRIDGE STRUCTURES, vol.17, no.3-4, pp.79-88, 2021 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Estimating Site Amplifications for an Enhanced Understanding of Ground Motion Effects in Northwestern Türkiye**  
MURATOĞLU G., ASKAN GÜNDOĞAN A.  
7th International Conference on Earthquake Engineering and Seismology (7ICEES), Antalya, Turkey, 6 - 10 November 2023
- II. **Performance Evaluation Of Generic Site Amplification Functions For Ground Motion Simulations In Northwestern Türkiye: A Case Study Of The 1999 Düzce Earthquake**  
MURATOĞLU G., ASKAN GÜNDOĞAN A.  
7th International Conference on Earthquake Engineering and Seismology (7ICEES), Antalya, Turkey, 6 - 10 November 2023
- III. **Rapid characterization and field-based performance assessment of structures from the M7.8 Kahramanmaraş earthquake sequence**  
Jaiswal K., ASKAN GÜNDOĞAN A., HANCILAR U., Rao A., Martins L., ERBERİK M. A., ÇAKTI E., KOÇKAR M. K., AYDIN M. F., TETİK T., et al.  
7th International Conference on Earthquake Engineering and Seismology (7ICEES), Antalya, Turkey, 06 November 2023
- IV. **Generic Site Amplification Factors for Western Turkey: A Preliminary Investigation**  
Muratoğlu G., Askan Gündoğan A.  
The Third European Conference on Earthquake Engineering and Seismology, Bucuresti, Romania, 4 September - 09 November 2022, pp.1-6
- V. **EFFECTS OF ALTERNATIVE SITE AMPLIFICATION MODELS IN STRONG MOTION SIMULATIONS**  
Muratoglu G., Askan Gündoğan A., Karimzadeh S.  
6th International Conference on Earthquake Engineering and Seismology (6ICEES) , Kocaeli, Turkey, 13 - 15 October 2021, pp.1-9
- VI. **Use of Alternative Site Amplification Models in Simulations and Uncertainty Analysis**  
Muratoğlu G., Askan Gündoğan A., Karım Zadeh Naghshneh S., Yong A.  
American Geophysical Union (AGU) 2020, Washington, United States Of America, 1 - 17 December 2020, pp.1

## Metrics

Publication: 8

Citation (Scopus): 3

H-Index (Scopus): 1