

Res. Asst. MAKBULE ILGAÇ

Personal Information

Email: ilgac@metu.edu.tr

Web: <https://avesis.metu.edu.tr/ilgac>

Research Areas

Civil Engineering, Geotechnical, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2013 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Probabilistic assessments of void ratio limits and their range for cohesionless soils**
ÇETİN K. Ö., ILGAÇ M.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.142, 2021 (Journal Indexed in SCI)
- II. **Next-generation liquefaction database**
Brandenberg S. J., Zimmaro P., Stewart J. P., Kwak D. Y., Franke K. W., Moss R. E. S., ÇETİN K. Ö., CAN G., ILGAÇ M., Stamatakos J., et al.
EARTHQUAKE SPECTRA, vol.36, no.2, pp.939-959, 2020 (Journal Indexed in SCI)
- III. **SPT-based probabilistic and deterministic assessment of seismic soil liquefaction triggering hazard**
ÇETİN K. Ö., Seed R. B., Kayen R. E., Moss R. E. S., Bilge H. T., ILGAÇ M., Chowdhury K.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.115, pp.698-709, 2018 (Journal Indexed in SCI)
- IV. **Examination of differences between three SPT-based seismic soil liquefaction triggering relationships**
ÇETİN K. Ö., Seed R. B., Kayen R. E., Moss R. E. S., Bilge H. T., ILGAÇ M., Chowdhury K.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.113, pp.75-86, 2018 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **A dataset on void ratio limits and their range for cohesionless soils**
ILGAÇ M., CAN G., ÇETİN K. Ö.
DATA IN BRIEF, vol.27, 2019 (Journal Indexed in ESCI)
- II. **Dataset on SPT-based seismic soil liquefaction**
ÇETİN K. Ö., Seed R. B., Kayen R. E., Moss R. E. S., Bilge H. T., ILGAÇ M., Chowdhury K.
DATA IN BRIEF, vol.20, pp.544-548, 2018 (Journal Indexed in ESCI)
- III. **The use of the SPT-based seismic soil liquefaction triggering evaluation methodology in engineering hazard assessments**
ÇETİN K. Ö., Seed R. B., Kayen R. E., Moss R. E. S., Bilge H. T., ILGAÇ M., Chowdhury K.
METHODSX, vol.5, pp.1556-1575, 2018 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **A Critical Review of Void Ratio Relationships for Granular Soils**
ILGAÇ M., ÇETİN K. Ö.
3rd Session on Modeling, Geomaterials, and Site Characterization at Geo-Congress on Vision, Insight, Outlook, Minnesota, United States Of America, 25 - 28 February 2020, pp.407-416
- II. **Quality control for next-generation liquefaction case histories**
Zimmaro P., Brandenberg S., Bozorgnia Y., Stewart J., Kwak D., Çetin K. Ö. , Can G., Ilgaç M., Franke K., Moss R., et al.
7th International Conference on Earthquake Geotechnical Engineering, ICEGE 2019, Rome, Italy, 17 - 20 January 2019, pp.5905-5912
- III. **Vaka Analizi: Bir Hafif Rayli Sistemi İlave Araçlara Ait Depolama Tesisinin Geoteknik Değerlendirmesi**
ÇETİN K. Ö. , CAN G., ILGAÇ M.
3. Uluslararası Zemin-Yapı Etkileşimi Sempozyumu, 18 - 20 October 2017
- IV. **Vaka Analizi: Bir Metro İstasyonu Viyadük Geçiş Projesinin Sismik Zemin - Kazikli Radye Temel Etkileşimi Değerlendirmesi**
ÇETİN K. Ö. , ILGAÇ M., CAN G.
4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, 11 - 13 October 2017
- V. **SPT Based Seismic Soil Liquefaction Triggering Assessment**
ÇETİN K. Ö. , ILGAÇ M.
XIIth International Conference on Advances in Civil Engineering, 21 - 23 September 2016
- VI. **Comparative Assessment of Seismic Soil Liquefaction Triggering Relationships.**
ILGAÇ M., TOLGA B., ÇETİN K. Ö.
6th Geotechnical Symposium, Cukurova University, Adana, Turkey, 23 - 25 November 2015
- VII. **Case Study: Describing and Avoiding a Deep Landslide with Instrumental Methods**
ÇETİN K. Ö. , DAMLA GAYE O., ILGAÇ M., FURKAN G.
15th National Congress on Soil Mechanics and Foundation Engineering, Turkey, 21 - 15 October 2014

Other Publications

- I. **24 January 2020, Sivrice-Elazig-Turkey Earthquake Reconnaissance Report**
Çetin K. Ö. , Ilgaç M., Can G., Çakır E., Söylemez B.
Technical Report, pp.1, 2020

Citations

Total Citations (WOS):12

h-index (WOS):2

Invited Talks

Wednesday Series, Seminar, University of California, Berkeley, United States Of America, April 2019

Scholarships

TUBITAK 2214, TUBITAK, 2018 - 2019