

CURRICULUM VITAE OF MUSTAFA KARAMAN

Ph.D. Candidate, Research Assistant

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RESEARCH AREA:

Soil Mechanics, Soil Dynamics, Geotechnical Engineering, Geotechnical Earthquake Engineering, In-situ and Laboratory Testing, Liquefaction

EDUCATION:

- **Izmir Institute of Technology, Turkey, (IYTE), Ph.D.** in Department of Civil Engineering, Geotechnical Engineering
(02.2014 – on going)
- **Istanbul University, Turkey, (AUZEF, Open Education), BS** in Faculty of Open and Distance Education, Sociology
(02.2011 – on going)
- **Anadolu University, Turkey, (AOF, Open Education), BS** in Faculty of Business Administration, Business Administration
(02.2011 – 06.2016)
- **Izmir Institute of Technology, Turkey, (IYTE), MS** in Department of Civil Engineering, Geotechnical Engineering
(02/2010 – 02/2014)
- **Samsun Ondokuz Mayıs University, Turkey, (OMU), BS** in Department of Civil Engineering,
(09.2005 – 01.2010)

EXPERIENCE:

Research Assistant, Department of Civil Engineering, Izmir Institute of Technology, IYTE, Izmir, Turkey, (03.2012 – present)

PUBLICATIONS IN SCIENTIFIC JOURNALS:

1. Nurhan Ecemis, Hasan Emre Demirci, **Mustafa Karaman (2015)** “Influence of consolidation properties on the cyclic re-liquefaction potential of sands” Bulletin of Earthquake Engineering, Vol.13(6), 1655-1673, May 2015, DOI: 10.1007/s10518-014-9677-y.
2. Nurhan Ecemis, **Mustafa Karaman (2014)** “Influence of non/low plastic fines on cone penetration and liquefaction resistance”, Engineering Geology, Vol.181, 48-57, October 2014, DOI: 10.1016/j.enggeo.2014.08.012

PUBLICATIONS IN INTERNATIONAL/NATIONAL PEER-REVIEWED CONFERENCE PROCEEDINGS:

1. **Mustafa Karaman**, Nurhan Ecemis, (2017) “Investigation of the Effect of Sand-Tire Chips Mixture on Liquefaction Potential with Shake Table Tests” 7. Geotechnical Symposium, November, Istanbul, Turkey
2. **Mustafa Karaman**, Nurhan Ecemis, (2017) “Gömülü Borular Etrafında Kullanılan Kum-Lastik Kırpıntı Karışımlarının Sıvılaşma Potansiyeli ve Deformasyonlara Etkileri” 3rd International Soil-Structure Interaction Symposium, October, Izmir, Turkey.
3. Caglayan Hizal, Hasan Ceylan, **Mustafa Karaman**, Gursoy Turan, Nurhan Ecemis (2017) “Modal Parameter Identification of a Ten Story Soil Structure Interaction Model” 3rd International Soil-Structure Interaction Symposium, October, Izmir, Turkey.
4. Nurhan Ecemis, **Mustafa Karaman (2016)** “Kumlarda Tekrar Sıvılaşma Direncinin Konsolidasyon Karakterleri ile İlişkisi” Zemin Mekaniği ve Geoteknik Mühendisliği 16. Ulusal Kongresi – ZM16, October, Erzurum, Turkey
5. **Mustafa Karaman**, Nurhan Ecemis (2014) “Silt Oranının ve Relatif Sıklığın CPT Penetrasyon Direncine Etkisi” Zemin Mekaniği ve Temel Mühendisliği 15. Ulusal Kongresi – ZM15, October, Ankara, Turkey
6. Nurhan Ecemis, Hasan Emre Demirci, **Mustafa Karaman (2014)** “Effects of Relative Density and Coefficient of Consolidation on Re-liquefaction Potential of Sand” Second European Conference on Earthquake Engineering and Seismology, Istanbul, Turkey
7. Nurhan Ecemis, **Mustafa Karaman (2013)** “Normalleştirilmiş Penetrasyon Oranının ve Siltin Koni Penetrasyon Direncine Etkisi” 5. Geoteknik Sempozyumu, , Adana, Turkey

THESIS:

Mustafa Karaman, (2013) “Effects of Consolidation Characteristics on CPT Cone Resistance and Liquefaction Resistance in Silty Soils” M.S. Thesis, December, Department of Civil Engineering, Izmir Institute of Technology, Izmir, Turkey 161p.

RESEARCH PROJECT EXPERIENCES:

BAP: “2016İYTE14 Atık lastik kırıntılarının zeminde uygulanabilirliği”, as a Research Assistant 2016-2017 (Completed)

TUBITAK 1002 – “215M402 Gömülü Borular Etrafına yerleştirilen kum-lastik kırıntı karışımlarının sıvılaşma potansiyelinin sarsma tablası deneyleri ile incelenmesi” as a Research Assistant 2016-2017 (Completed)

BAP: “2014İYTE17 Silt Muhtevasının Sıvılaşma Direncine Etkisi: Sarsma Tablası Deneyleri” as a Research Assistant 2014-2015 (Completed)

TUBITAK 3501- “110M602 Siltli Zeminlerde Konsolidasyon Karakterlerinin CPT Koni Direncine ve Sıvılaşma Direncine Etkisi” as a Research Assistant 2010-2012 (Completed)

TUBITAK 1002- “111M435 Kumlarda ve Siltli Kumlarda Sıvılaşmanın ve Sıvılaşma Sonrası Direncin Belirlenmesinde Sarsma Tablası Deneyleri” as a Research Assistant 2011-2012 (Completed)

SOFTWARE & COMPUTER KNOWLEDGE:

AutoCAD, MATLAB, FLAC2D, DEEPSOIL,

PROFESSIONAL SOCIETY MEMBERSHIPS:

- Chamber of Civil Engineers, Turkey (IMO) (2010 – present)