

Mehmet Murat Monkul, Ph.D.

Yeditepe Univeristy, Department of Civil Engineering,
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Education:

Ph. D. in Civil Engineering (Geotechnical Major), Oregon State University, Corvallis, OR, USA, 2010

Dissertation title: “Influence of silt size and content on static liquefaction potential of sand ”,

M. Sc. in Geotechnical Engineering, Dokuz Eylül University, İzmir, Türkiye, 2005

Thesis: “ Influence of intergranular void ratio on one dimensional compression”

B. Sc. Civil Engineering, Middle East Technical University (METU), Ankara, Türkiye, 2002
(Accreditation Board for Engineering and Technology, Inc., ABET, equivalent to similarly named accredited programs in USA)

Professional and Nonprofessional Experiences:

Professor, Department of Civil Engineering, Yeditepe University, Istanbul, Türkiye, July 2018-continues.

Associate Professor, Department of Civil Engineering, Yeditepe University, Istanbul, Türkiye, November 2012-July 2018.

Assistant Professor, Department of Civil Engineering, Yeditepe University, Istanbul, Türkiye, October 2010- November 2012.

Co-Instructor, CE 574: Engineering Properties of Soils, School of Civil and Construction Engineering, Oregon State University, OR, USA Fall 2009.

Graduate Research/Teaching Assistant, School of Civil and Construction Engineering, Oregon State University, OR, USA Sept. 2005- July 2010.

Graduate Assistant, Department of Civil Engineering, Dokuz Eylül University, İzmir, Türkiye, 2002-2005.

Intern Site Engineer (Summer practise), McDonalds Building, Odabasi Construction Company, Ankara, Türkiye, 2001.

Intern Project Engineer (Summer practise) , Ozilke Project Office, Ankara, Türkiye, 2001.

Intern Site Engineer (Summer practise), Obruk Dam, Limak Inc., Corum, Türkiye, 2000.

Refereed International Journal Papers:

(advised/co-advised students a: undergraduate, b: masters, c: doctoral)

- 1) Ecemis, N., **Monkul, M.M.**, Tütüncü^b, Y.E., Arık, M.A. (2022). “CPT-based liquefaction resistance of clean and silty sands: a drainage conditions based approach”, *Bulletin of Earthquake Engineering*, Springer, 20, 7957–7980, DOI: <https://doi.org/10.1007/s10518-022-01501-0>
- 2) **Monkul, M.M.**, Kendir^b, S.B., Tütüncü^b, Y.E., (2021). “Combined effect of fines content and uniformity coefficient on cyclic liquefaction resistance of silty sands”, *Soil Dynamics and Earthquake Engineering*, Elsevier, 151, 106999.
- 3) **Monkul, M.M.**, Özhan, H.O., (2021). “Microplastic Contamination in Soils: A Review from Geotechnical Engineering View”, *Polymers*, 13(23), 4129.
- 4) **Monkul, M.M.**, Kendir^b, S.B., Sağıroğlu^a, O.C., Koç^a, A.N., Şarkbüllülü^a, E. (2020). “Fall cone behavior of non-plastic silts and undrained shear strength from DSS tests”, *Géotechnique Letters*, ICE, 10(2), 296-302, DOI: 10.1680/jgele.19.00024
- 5) **Monkul, M.M.**, Aydın^a, N.G., Demirhan^a, B., Şahin^a, M. (2020). “Undrained shear strength and monotonic behavior of different non-plastic silts: Sand-like or clay-like?”, *Geotechnical Testing Journal*, ASTM, 43(3), 758-774, DOI: 10.1520/GTJ20180147.
- 6) Eseller-Bayat, E., **Monkul, M.M.**, Akın^b, O., Yenigün^b, S. (2019). “The coupled influence of relative density, CSR, plasticity and content of fines on cyclic liquefaction resistance of sands”, *Journal of Earthquake Engineering*, Taylor & Francis, 23(6), 909-929. DOI: 10.1080/13632469.2017.1342297
- 7) **Monkul, M.M.**, Etminan^c, E., Senol, A. (2017). “Coupled influence of content, gradation and shape characteristics of silts on static liquefaction of loose silty sands”, *Soil Dynamics and Earthquake Engineering*, Elsevier, 101, 12-26.
- 8) **Monkul, M.M.**, Dacic^a, A. (2017). “Effect of grain size distribution on stress-strain behavior of Lunar Soil Simulants”, *Advances in Space Research*. Elsevier, 60, 636-651.
- 9) **Monkul, M.M.**, Etminan^c, E., Senol, A. (2016). “Influence of coefficient of uniformity and base sand gradation on static liquefaction of loose sands with silt”, *Soil Dynamics and Earthquake Engineering*, Elsevier, 89, 185-197.
- 10) **Monkul, M.M.**, Gultekin^a, C., Gulver^a, M., Akın^b, O., Eseller-Bayat, E. (2015). “Estimation of liquefaction potential from dry and saturated sandy soils under drained constant volume cyclic simple shear loading”, *Soil Dynamics and Earthquake Engineering*, Elsevier, 75, 27-36.

- 11) **Monkul, M.M.**, Lade, P.V., Etminan^c, E., Senol, A. (2014). “Compressibility as an indicator of liquefaction potential”, *Geotechnical Engineering Journal of SEAGS-AGSSEA*, 45 (4), 73-77.
- 12) **Monkul, M.M.** (2013). “Influence of gradation on shear strength and volume change behavior of silty sands”, *Geomechanics and Engineering*, Techno Press, 5(5), 401-417.
- 13) **Monkul, M.M.**, Yamamuro, J. A., and Lade, P.V. (2011). “Failure, instability and the second work increment in loose silty sand”, *Canadian Geotechnical Journal*, NRC Research Press, 48(6), 943-955.
- 14) **Monkul, M.M.** and Yamamuro, J. A. (2011). “Influence of silt size and content on liquefaction behavior of sands”, *Canadian Geotechnical Journal*, NRC Research Press, 48(6), 931-942.
- 15) **Monkul, M.M.** (2008). “Validation of practice oriented models and influence of soil stiffness on lateral pile response due to kinematic loading”, *Marine Georesources & Geotechnology*, Taylor & Francis, 26(3), 145-159.
- 16) **Monkul, M.M.**, Ozden, G. (2008). “Erratum to “Compressional behavior of clayey sand and transition fines content” [Engineering Geology, 89(2007), 195–205]”, *Engineering Geology*, Elsevier, 96(1-2), 105-106.
- 17) **Monkul, M.M.**, Ozden, G. (2007). “Compressional behavior of clayey sand and transition fines content”, *Engineering Geology*, Elsevier, 89(3-4), 195-205. (Ranked as 22nd in the Science Direct’s Top 25 Hottest Articles list in Engineering Geology for Jan-March 2007 period).
- 18) **Monkul, M.M.**, Onal, O. (2006). “A Visual Basic Program for Analysing Oedometer Test Results and Evaluating Intergranular Void Ratio”, *Computers and Geosciences*, Elsevier, 32, 696-703.

Refereed Articles in ASCE Geotechnical Special Publications:

- 19) **Monkul, M.M.**, Yenigün^b, S., Eseller-Bayat, E. (2018). “Importance of automatization on dry funnel deposited specimens for liquefaction testing”, Geotechnical Special Publication No 293: Geotechnical Earthquake Engineering and Soil Dynamics V: Slope Stability and Landslides, Laboratory Testing, and In Situ Testing, ASCE, 286-295, ISBN: 978-0-7844-8148-6.
- 20) Eseller-Bayat, E., **Monkul, M.M.**, Akın^b, O, Yenigün^b, S. (2018). “Evaluation of the effect of relative density on liquefaction assessment of sands with plastic and non-plastic fines”, Geotechnical Special Publication No 290: Geotechnical Earthquake Engineering and Soil Dynamics V: Liquefaction Triggering, Consequences, and Mitigation, ASCE, 244-254, ISBN: 978-0-7844-8145-5.
- 21) **Monkul, M.M.**, Yükselen-Aksoy, Y. (2016). “Sustainable usage of dredge materials at engineering fills and investigation of their performance with different additives”.

Geotechnical Special Publication No 273: Sustainable Waste Management and Remediation, ASCE, 471-480. ISBN 978-0-7844-8016-8

- 22) **Monkul, M.M.** (2012). “On some of the factors influencing the fines’ role on liquefaction of silty sands”. Geotechnical Special Publication No 225: State of the Art and Practice in Geotechnical Engineering, ASCE, 799-808. ISBN: 978-0-7844-1212-1.

Refereed Articles in International Conferences:

- 23) Tütüncü^b, Y.E., Kendir^b, S.B., **Monkul, M.M.** (2022). “Influence of silt content on cyclic liquefaction of sand: conflicting effects of relative density”, Proceedings of the 20th International Conference on Soil Mechanics and Geotechnical Engineering, ICSMGE 2022, Sydney, Australia, 2029-2033. ISBN 978-0-9946261-4-1.
- 24) **Monkul, M.M.**, Kendir, S.B.^b (2019). “ An investigation on the relationship between relative density and seismic liquefaction resistance of sands via cyclic simple shear tests ”. Proceedings of the 8th International Geotechnical Symposium, Istanbul, Paper no: 1008, 10p. (USB).
- 25) Etminan^c, E., **Monkul, M.M.**, Senol, A. (2016). “Effect of silt size and gradation on cyclic liquefaction of sands”. Proceedings of the 4th International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, Nicosia, Turkish Republic of Northern Cyprus, 321-327. ISBN 975-8359-28-2.
- 26) Etminan^c, E., **Monkul, M.M.**, Senol, A. (2015). “Silt influence on static liquefaction of sands”. Proceedings of the XVI European Conference on Soil Mechanics and Geotechnical Engineering, Edinburgh, U.K.; DOI:10.1680/ecsmge.60678; ISBN 978-0-7277-6067-8.
- 27) **Monkul, M.M.** (2013). “Importance of geotechnical engineering on development and sustainability of lunar bases”. 6th International Conference on Recent Advances in Space Technologies; RAST 2013, IEEE, 863-867. ISBN: 978-1-4673-6396-9.
- 28) **Monkul, M.M.** and Yamamuro, J. A. (2010). “Influence of densification method on some aspects of undrained silty sand behavior”. Fifth International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego, California (CD-ROM). ISBN: 1-887009-15-9.
- 29) **Monkul, M.M.** and Yamamuro, J. A. (2010). “ The effect of nonplastic silt gradation on the liquefaction behavior of sand”. Fifth International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego, California (CD-ROM). ISBN: 1-887009-15-9.
- 30) **Monkul, M.M.** (2006). “Stability of loose sandy slopes”. Proceedings of Seventh International Congress on Advances in Civil Engineering, Yıldız Technical University, Istanbul, Türkiye, 13 pages (CD-ROM). ISBN: 975-461-416-4.
- 31) **Monkul, M.M.**, Ozden, G. (2005). “Effect of intergranular void ratio on one-dimensional compression behavior”. GEOPROB 2005: Proceedings of International

Conference on Problematic Soils, International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE), Famagusta, Turkish Republic of Northern Cyprus, 3, pp.1203-1209. ISBN:975-8401-24-6.

Refereed Articles in National Conferences:

- 32) Tütüncü^b, Y.E., **Monkul, M.M.** (2022). “Silt yüzdesinin kumların sismik sıvılaşma direncine etkisi (The effect of silt content on seismic liquefaction resistance of sands”. ZM18: Proceedings of Eighteenth Turkish Conference on Soil Mechanics and Geotechnical Engineering, Erciyes University, Kayseri, Türkiye, pp. 681-694. (In Turkish). DOI:10.5505/2022zmgm.SS-63
- 33) **Monkul, M.M.** (2018). “Türkiye Bina Deprem Yönetmeliği 2018'e göre dayanma yapıları ve bodrum perdelerinin tasarımı (Design of retaining structures and basement walls according to the Turkish Building Earthquake Code 2018”. ZM17: Proceedings of Seventeenth Turkish Conference on Soil Mechanics and Geotechnical Engineering,, İstanbul University, İstanbul, Türkiye, Vol. 1, pp. 233-242. (In Turkish).
- 34) **Monkul, M.M.**, Yenigün^b, S., Eseller-Bayat, E. (2018). “Kuru huni yöntemiyle geniş aralıkta göreceli sıkılık değerlerinin elde edilmesi (Obtaining a wide range of relative density values with dry funnel deposition method”. ZM17: Proceedings of Seventeenth Turkish Conference on Soil Mechanics and Geotechnical Engineering, İstanbul University, İstanbul, Türkiye, Vol. 3, pp. 1249-1260. (In Turkish).
- 35) **Monkul, M.M.**, Yenigün^b, S., Eseller-Bayat, E. (2017). “Kuru kum numunelerin sismik sıvılaşma potansiyelinin dinamik basit kesme deneyinden belirlenmesi (Determining the seismic liquefaction potential of dry sand specimens from cyclic simple shear tests)”. 7th Geotechnical Symposium with International Participation, İstanbul Technical University, İstanbul, Türkiye, pp. 697-705. (In Turkish). ISBN:978-605-01-1103-3.
- 36) **Monkul, M.M.**, Etminan^c, E., Senol, A. (2016). “Silt boyutu ve dane şekil özelliklerinin siltli kumların sismik sıvılaşmasına etkisi (Influence of silt size and shape characteristics on seismic liquefaction of silty sands)”. ZM16: Proceedings of Sixteenth Turkish Congress on Soil Mechanics and Geotechnical Engineering, Atatürk University, Erzurum, Türkiye, Vol 1, pp. 285-294 (In Turkish).
- 37) Ataşalar^a, O., Canatan^a, H.O., **Monkul, M.M.**, Yükselen-Aksoy, Y. (2015). “İzmir körfezi tarama zemininin kireç ve uçucu kül ile stabilizasyonu (Lime and fly ash stabilization of dredged soil from İzmir Bay)”. 6th Geotechnical Symposium, Çukurova University, Adana, Türkiye (In Turkish).
- 38) **Monkul, M.M.**, Etminan^c, E., Senol, A., Lade, P.V. (2014). “Statik Yükleme Etkisinde Sıvılaşma ve Hacimsel Sıkışma Katsayısı (Static Liquefaction and Volumetric Compressibility)”. ZM15: Proceedings of Fifteenth Turkish Congress on Soil Mechanics and Foundation Engineering, METU, Ankara Türkiye, Vol. 1, pp. 215-222 (In Turkish).

- 39) Akın^b, Ö, **Monkul, M.M.**, Eseller-Bayat, E. (2013). “Basit Kesme Deneyi için Homojen ve Suyu Doygun Numune Hazırlama Yöntemleri (Homogeneous and Saturated Specimen Preparation Methods for Simple Shear Tests)”. 5th Geotechnical Symposium, Çukurova University, Adana, Türkiye (In Turkish).
- 40) **Monkul, M.M.**, Ozden, G. (2004). “İri ve İnce Daneler Arası Boşluk Oranları (Intergranular and interfine void ratio concepts)”. ZM10: Proceedings of Tenth Turkish Congress on Soil Mechanics and Foundation Engineering, TNCSMF, Istanbul, Türkiye, pp. 3-12 (In Turkish). ISBN:975-561-259-9.

Other Scientific Papers, Reports & Thesis:

- 41) **Monkul, M.M.** (2016). “Influence of silt characteristics on liquefaction behavior of silty sands”, Marie Curie Project No: 303974, Final Report, 12 pages.
- 42) **Monkul, M.M.** (2016). “Influence of silt characteristics on liquefaction behavior of silty sands”, Marie Curie Project No: 303974, Periodic Report II, 12 pages.
- 43) **Monkul, M.M.**, Uzel, A. (2015). “Technical Report regarding the retaining wall located on Topcu Avenue at Atasehir (Atasehir İlçesi, İnönü Mahallesi, Topçu Caddesi üzerinde bulunan istinat duvarına dair Teknik Rapor)”, Atasehir Municipality, 6 pages.
- 44) **Monkul, M.M.** (2014). “Influence of silt characteristics on liquefaction behavior of silty sands”, Marie Curie Project No: 303974, Periodic Report I, 11 pages.
- 45) **Monkul, M.M.** (2010). “Influence of silt size and content on static liquefaction potential of sand”, Ph.D. Dissertation, Oregon State University, Corvallis, Oregon.
- 46) Dickenson S.E., **Monkul, M.M.** (2008). “Report for McKay’s Market, Coquille, Oregon: Preliminary Seismic Hazard Evaluation; Stability of the Riverfront Slope Including Conceptual Layout for Ground Treatment”, 67 pages.
- 47) Raeburn, C.L., **Monkul, M.M.**, and Pyles, M. R. (2008). “Evaluation of Corrosion of Metallic Reinforcements and Connections in MSE Retaining Walls”. State Planning and Research Project #643, Final Report, No:FHWA-OR-RD-08-10.
- 48) **Monkul, M.M.** (2005). “Influence of intergranular void ratio on one dimensional compression”, M.Sc. Thesis, Dokuz Eylül University, Izmir, Türkiye.

Publication Citations:

712 citations in total as of July 2023, h-index:13, i-10 index:17 (based on Google Scholar).

Courses Taught:

- CE 550: Advanced Soil Mechanics, Department of Civil Engineering, Yeditepe University, Istanbul, Turkiye (Spring 2018, Fall 2018, Fall 2022).

- CE 341: Soil Mechanics, Department of Civil Engineering, Yeditepe University, Istanbul, Türkiye (Fall 2010, Spring 2011, Fall 2011, Spring 2012, Fall 2012, Spring 2013, Fall 2013, Spring 2014, Fall 2014, Spring 2015, Fall 2015, Spring 2016, Spring 2017, Fall 2017, Spring 2018, Fall 2018, Spring 2019, Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021, Spring 2022, Fall 2022, Spring 2023).
- İNŞ 344: Soil Mechanics II, Department of Civil Engineering, Alanya Alaaddin Keykubat University, Antalya, Türkiye (Spring 2022).
- CE 441: Foundation Engineering, Department of Civil Engineering, Yeditepe University, Istanbul, Türkiye (Fall 2011, Fall 2012, Spring 2013, Fall 2013, Spring 2014, Fall 2014, Spring 2015, Fall 2015, Spring 2016, Fall 2016, Spring 2017, Fall 2017, Spring 2018, Fall 2018, Spring 2019, Fall 2019).
- CE 485: Deep Foundations, Department of Civil Engineering, Yeditepe University, Istanbul, Türkiye (Spring 2012, Spring 2013, Spring 2014, Spring 2015, Spring 2016, Spring 2019, Spring 2020, Spring 2021, Spring 2022, , Spring 2023).
- CE 474: Soil Works and Retaining Structures, Yeditepe University, Istanbul, Türkiye (Fall 2012, Fall 2013, Fall 2014, Fall 2015, Fall 2016, Fall 2017, Fall 2022).
- CE 101: Introduction to Civil Engineering, Department of Civil Engineering, Yeditepe University, Istanbul, Türkiye (Spring 2011, Fall 2011).
- ES 106: Technical Report Writing and Presentation Skills, Engineering Sciences, Yeditepe University, Istanbul, Türkiye (Fall 2010).
- CE 303: Computer Applications in Civil Engineering, Department of Civil Engineering, Yeditepe University, Istanbul, Türkiye (Fall 2010).
- CE 574: Engineering Properties of Soils (Co-Instructor), School of Civil and Construction Engineering, Oregon State University, Corvallis, OR, USA (Fall 2009).

Administrative and Departmental Responsibilities:

- Established the Soil Mechanics Laboratory at Yeditepe University and Director (October 2010- present).
- Yeditepe University, College of Engineering Executive Board Prof. Member (September 2022- present).
- Yeditepe University, College of Engineering Executive Board Assoc. Prof. Member (November 2014- July 2018).
- Civil Engineering Department Vice Chair (October 2016- May 2019).
- Program coordinator for graduate studies in Civil Engineering (September 2015- October 2016)

- Civil Engineering Department Bologna Coordinator (August 2012-October 2016).
- Coordinator of the commission for graduate studies application of Civil Engineering Department (February 2011-September 2015).
- Civil Engineering Department Internship Coordinator (October 2013- February 2016).
- Civil Engineering Department Vice Chair (October 2011- March 2013).

Talks and Presentations:

- ***Invited talk:*** “Design of retaining structures and basement walls according to the Turkish Building Earthquake Code 2018”. ZM17: Seventeenth Turkish Conference on Soil Mechanics and Geotechnical Engineering, İstanbul University, İstanbul, Türkiye, 2018.
- “Importance of automatization on dry funnel deposited specimens for liquefaction testing”, Geotechnical Earthquake Engineering and Soil Dynamics V, Austin, Texas, USA 2018.
- “Determining the seismic liquefaction potential of dry sand specimens from cyclic simple shear tests”. 7th Geotechnical Symposium with International Participation, Istanbul Technical University, İstanbul, Türkiye 2017.
- “Influence of silt size and shape characteristics on seismic liquefaction of silty sands”. ZM16: Sixteenth Turkish Congress on Soil Mechanics and Foundation Engineering, Atatürk University, Erzurum, Türkiye 2016.
- “Silt influence on static liquefaction of sands”. XVI European Conference on Soil Mechanics and Geotechnical Engineering, Edinburgh, U.K. 2015
- “Importance of geotechnical engineering on development and sustainability of lunar bases”. 6th International Conference on Recent Advances in Space Technologies; RAST 2013, Istanbul, Turkiye 2013.
- “On some of the factors influencing the fines’ role on liquefaction of silty sands”. GeoCongress 2012: State of the Art and Practice in Geotechnical Engineering, ASCE, Oakland, California, USA 2012.
- “Influence of silt size and content on static liquefaction potential of sand”, Yeditepe University, Istanbul, Turkiye 2010.
- ***Invited talk*** for new graduate student audience : “Undrained behavior of silty sands and influence of fines’ gradation”, Oregon State University, Corvallis, OR, USA 2008.
- “Undrained behavior of silty sands and influence of fines’ gradation”, Oregon State University, Corvallis, OR, USA 2007.

- “Lateral earth pressure at rest (K_0) and its predictions”, Oregon State University, Corvallis, OR, USA 2007.
- “Influence of strength and stiffness parameters on lateral pile response due to kinematic loading”, Oregon State University, Corvallis, OR, USA 2006.
- “1999 Kocaeli Earthquake Turkey and liquefaction of fine grained soils in Adapazari”, Oregon State University, Corvallis, OR, USA 2006.
- *Invited talk*: “Liquefaction of loose sandy slopes and conventional slope stability”, ASCE Oregon Section Geotechnical Group Meeting, April 5th, Tualatin, OR, USA 2006.
- “General overview of single hardening model and sands”, Oregon State University, Corvallis, OR, USA 2006.
- “Liquefaction of loose sandy slopes and conventional slope stability”, Oregon State University, Corvallis, OR, USA 2006.
- “Effect of intergranular void ratio on one-dimensional compression behavior”, Eastern Mediterranean University, Famagusta, Turkish Republic of Northern Cyprus 2005.
- “Intergranular and interfine void ratio concepts in soil mechanics”, Dokuz Eylül University, Graduate School of Natural and Applied Sciences, Izmir, Türkiye 2004.

Advised Graduate Thesis:

- Ece Gürkan (expected graduation in 2023): “An Investigation on Microplastic-Soil Interaction from Geotechnical Engineering View”, ongoing research for Master of Science degree, Yeditepe University, Istanbul, Türkiye.
- Yunus Emre Tütüncü (2022): “Influence of non-plastic silt content on seismic liquefaction of sands.”, research for Master of Science degree, Yeditepe University, Istanbul, Türkiye.
- Sena Begüm Kendir (2021): “An experimental investigation on the effects of relative density and grain size distribution on cyclic liquefaction of silty sands”, research for Master of Science degree, Istanbul Technical University, Istanbul, Türkiye (Co-advisor with Asst. Prof. Ece Eseller-Bayat).
- Eylem Baran Yazıcı (2021): “Seismic liquefaction behavior of different non-plastic silts”, konulu Yüksek Lisans Tezi, research for Master of Science degree, Yeditepe University, Istanbul, Türkiye.
- Şenay Yenigün (2018). “Development of a fully automated funnel deposition system and its effect on cyclic simple shear behavior of sands”, Master of Science Thesis, Istanbul Technical University, Istanbul, Türkiye (Co-advisor with Asst. Prof. Ece Eseller-Bayat).
- Ehsan Etminan (2016). “Effects of gradation, fines content and silt shape characteristics on static liquefaction of loose sands”, Ph.D. Dissertation, Istanbul Technical University, Istanbul, Türkiye (Co-advisor with Assoc. Prof. Aykut Şenol).

- Özge Akın (2014). “Influence of plasticity and fines content on cyclic behavior of sands”, Master of Science Thesis, Istanbul Technical University, Istanbul, Türkiye (Co-advisor with Asst. Prof. Ece Eseller-Bayat).

Studied Funded Research Projects:

- Researcher: “Hydraulic Conductivity Performance of Geosynthetic Clay Liners (GCL) against Microplastics”, Scientific and Technological Research Council of Turkey, TUBITAK (2023- project continues).
- Principal investigator: “Influence of Silt Characteristics on Liquefaction Behavior of Silty Sands”, Seventh Framework Programme of the European Union, Marie Curie FP7- PEOPLE-2011-CIG Project No: 303974 (2012-2016, project finished).
- Researcher: “Evaluation of Corrosion of Metallic Reinforcements and Connections in MSE Retaining Walls”, State Planning and Research Project #643, Oregon Department of Transportation, OR, USA (2005-2008, project finished).
- Researcher: “Effect of Intergranular Void Ratio on One Dimensional Compression Parameters”, MAG-HD-3 (105M005), Scientific and Technological Research Council of Turkey, TUBITAK (2004-2005, project finished).

Scientific Memberships:

- Turkish Committee of Soil Mechanics and Foundation Engineering (ZMGM), Member No: TUR170245.
- International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE), Member.
- TC 203 of ISSMGE; Technical Committee: Earthquake Geotechnical Engineering and Associated Problems, Corresponding Member.

Review and Expert Activities:

- Expert for European Commission Research Executive Agency (REA) (Brussels 2017, 2018, 2019)
- Reviewer for “Teknik Dergi (Technical Journal)”, Turkish Chamber of Civil Engineers.
- Reviewer for “Marine Georesources & Geotechnology”, Taylor & Francis.
- Reviewer for “Earthquake Engineering and Engineering Vibration”, Springer.
- Reviewer for “Geotechnical Testing Journal”, ASTM.
- Reviewer for “Journal of Mountain Science”, Springer.

- Reviewer for “Earthquakes and Structures”, Techno Press.
- Reviewer for “Journal of Materials in Civil Engineering”, ASCE.
- Reviewer for “European Journal of Environmental and Civil Engineering”, Taylor & Francis.
- Reviewer for “Soil Dynamics and Earthquake Engineering”, Elsevier.
- Reviewer for “Geotechnical and Geological Engineering”, Springer.
- Reviewer for “Dokuz Eylul University Faculty of Engineering Journal of Science and Engineering”.
- Reviewer for “Pamukkale University Journal of Engineering Sciences”.
- Reviewer for “Geomechanics and Engineering”, Techno Press.
- Reviewer for “Engineering Geology”, Elsevier.
- Reviewer for GSP No 230: “Sound Geotechnical Research to Practice” Honoring the Contributions of Robert D. Holtz, ASCE.
- Reviewer for GSP (Geotechnical Special Publication) No 225: “State of the Art and Practice in Geotechnical Engineering”, ASCE.
- Reviewer for “International Journal of Physical Sciences”.
- Reviewer for “Soils and Rocks”.

Scientific Committee Memberships:

- Organizing Committee of 9th Geotechnics Symposium, Turkish Chamber of Civil Engineers (2023).
- Scientific Committee of International Workshop on Advances in Laboratory Testing of Liquefiable Soils, ISSMGE, TC 101 (2022).
- Scientific Committee of 3rd International Conference on Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering (EGRWSE) (2022).
- Scientific Committee of 9th Turkish Earthquake Engineering Conference (2021).
- Scientific Committee of 8th International Geotechnics Symposium, Turkish Chamber of Civil Engineers (2019).
- Scientific Committee of ZM 17: 17th National Congress on Soil Mechanics and Foundation Engineering (2018).

- Scientific Committee of 7th Geotechnics Symposium with International Participation, Turkish Chamber of Civil Engineers (2017).
- Scientific Committee of 3rd International Soil-Structure Interaction Symposium (2017).
- Scientific Committee of ZM 16: 16th National Congress on Soil Mechanics and Foundation Engineering (2016).
- Scientific Committee of 1st National Young Geotechnical Engineers Symposium (2016).
- Scientific Committee of Cost Eng'15: Civil & Construction Engineering and Technologies Conference (2015).
- Scientific Committee of 6th Geotechnics Symposium, Turkish Chamber of Civil Engineers (2015).
- Scientific Committee of 8th National Earthquake Engineering Conference (2015).
- Scientific Committee of Cost Eng'14 : Structures, Materials and Construction Engineering Conference, (2014).
- Scientific Committee of 5th Geotechnics Symposium, Turkish Chamber of Civil Engineers, (2013).

Awards and Honors:

- Travel support by Scientific and Technical Research Council of Turkey (TUBITAK) for attending international scientific activities (ASCE GeoCongress 2012).
- Travel support by Yeditepe University for attending international scientific activities (ASCE GeoCongress 2012, ASCE Geotechnical Earthquake Engineering and Soil Dynamics V, 2018).
- Three Encouragement rewards by Yeditepe University for SCI Journal Publications.
- Kiewit Travel Fellowship, School of Civil and Construction Engineering, Oregon State University.
- Biography published in Who's Who in America® 64th edition as "geotechnical engineering researcher".
- Oregon State University Graduate School Scholarship, 2008-2009.
- Oregon State University College of Engineering Fellowship (Selfridge), 2006-2007.
- Oregon State University College of Engineering Fellowship (Rikert), 2005-2006.
- Graduate Research and Teaching Assistantship, Oregon State University, School of Civil and Construction Engineering, Sept. 2005-July 2010.

- Two Encouragement rewards by Scientific and Technical Research Council of Turkey (TUBITAK) for SCI Journal Publications.
- Ranked 1st in the Admission Exam for Graduate Study in Geotechnical Engineering (2002), therefore awarded with Graduate Assistantship by Dokuz Eylul University Graduate School of Natural and Applied Sciences, 2002-2005.
- Ranked in the top 0.2% in the Selection Examination for Universities in Türkiye (OSS) within more than 1 million examinee, 1998.
- Ranked 1st among the 1998 graduates of Ankara Gazi High School.

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