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Atılım University
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PERSONAL

Date of Birth	14.12.1973
Place of Birth	İzmir

EDUCATION

02/2003-09/2009	Middle East Technical University, Dept. of Civil Engineering, Ph.D.
02/1999-04/2002	Middle East Technical University, Dept. of Civil Engineering, M.S.
09/1990-07/1995	Middle East Technical University, Dept. of Civil Engineering, B.S.

ACADEMIC POSITIONS

12/2016-	Asst. Prof. Dr., Department of Civil Engineering, Atılım University, Turkey.
09/2013-12/2016	Instructor, Department of Civil Engineering, Atılım University, Turkey.

HONORS&AWARDS

1	Master of Science Thesis Award by Turkish Road Association (2002).
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RESEARCH INTERESTS

1	Soil Mechanics
2	Slope Stability
3	Soil Nailing
4	Tunnelling

PROFESSIONAL SERVICE

2013-2013	Chief Engineer of Bituminous Binders in Pavement Development Division, Research and Development Department, General Directorate of Turkish Highways.
2011-2013	Chief Engineer of Tunnelling Projects in Soil Mechanics and Tunnelling Division, Research and Development Department, General Directorate of Turkish Highways.
2008- 2011	Chief Engineer of Rock Mechanics in Soil Mechanics and Tunnelling Division, Research and Development Department, General Directorate of Turkish Highways.
2001-2008	Tunnel Engineer in Soil Mechanics and Tunnelling Division, Research and Development Department, General Directorate of Turkish Highways.
1998-2001	Civil Engineer, Ziraat Bank.
1996-1998	Tunnel Design Engineer, Temelsu Int. Eng. Co.
1995-1996	Civil Engineer, Entes Int. Co.

PUBLICATIONS

1	Akis E., "Optimum Cost Prediction of Reinforced Concrete Cantilever Retaining Walls", Buildings, 13(10), 1-15.,2023. DOI: 10.3390/buildings13102409
2	Akis E.,Çiğdem Ö.Y., "EPS Daneciklerinin ve/veya Cam Tozunun Killi Zeminlerin Kıvam Limitlerine Etkisi ve Limitlerin YSA ve Regresyon ile Tahmin Edilmesi", Journal of the Institute of Science and Technology, 13(1), 385-398, 2023. DOI: Doi: 10.21597/jist.1173024
3	Akis E, Guven G., Lotfisdigh B. "Predictive models for mechanical properties of expanded polystyrene (EPS) geofoam using regression analysis and artificial neural networks", Neural Computing & Applications, 34, 10845-10884.,2022. DOI: 10.1007/s00521-022-07014-w
4	Akış E., "Yüksek Plastisiteli Killerde Rezidüel Kayma Direncinin Direkt Kesme Deneyi Sonuçları Kullanılarak Tayin Edilmesi", Politeknik Dergisi, 2021. DOI: 10.2339/politeknik.61669
5	Akis E., Mekaël, A. & Yilmaz, M.T. "Investigation of the Effect of Shearing Rate on Residual Strength of High Plastic Clay" Arab J Geosci 13: 66, 2020. DOI:10.1007/s12517-019-5045-1.
6	Kazemzadeh Azad, S., Akış, E., "Cost Efficient Design of Mechanically Stabilized Earth Walls Using Adaptive Dimensional Search Algorithm", Teknik Dergi, 31 (4), 2020. DOI: 10.18400/tekderg.509468
7	Akış E., Satıcı, Ö., "Underground Structures, Rock Structures and Rock Mechanics from Ancient Era to the Modern Age", Journal of Geological Engineering, 41(2):155-172, 2017.DOI:10.24232/jmd.344499
8	Eraslan A., Akış T., Akış E., "Deformation Analysis of Two-Layer Composite Tubes Under Cyclic Loading of External Pressure", Journal of Basic and Applied Research International, 13(2), pp. 107-119, 2016.
9	Akış E., "Dünyada ve Türkiye'de Tünellerin Tarihçesi", Yollar Türk Milli Komitesi Bülteni, Sayı:7, Sayfa:3-4, 2014.
10	Bakır B.S., Akış E., "Analysis of a Highway Embankment Failure Associated with the 1999 Düzce, Turkey Earthquake", Soil Dynamics and Earthquake Engineering, Vol: 25, pp. 251-260, 2005.DOI:10.1016/j.soildyn.2003.05.001

CONFERENCE PRESENTATIONS

1	Akış E., “Yoğrulmuş Yüksek Plastisiteli Killerde Pik Kayma Direncinin ve Kilin İndeks Özelliklerinin Rezidüel Kayma Direncinin Üzerindeki Etkisi”, 2 nd International Symposium of Engineering Applications on Civil Engineering and Earth Sciences, Karabük, Turkey, pp.152-158, 2020.
2	Akış E., Mekael, A., Yılmaz, M.T., “An Investigation for the Residual Strength of High Plastic Clay Specimens Using Multi-Reversal Direct Shear Tests”, 7 th Geotechnical Symposium with International Participation, 22-24 November 2017, İstanbul.
3	Akış E., Solak, T. “İnşaat Mühendisliğinde Yeraltı Yapıları ve Tünelcilik Eğitimi”, 3. İnşaat Mühendisliği Eğitimi Sempozyumu, 8-9 January 2016, Ankara.
4	Solak, T., Akış E. “Yeraltı Yapıları Geoteknik Tasarım Rehberi”, 1. Ulusal Tünelcilik ve Yer altı Yapıları Kongresi, Sayfa:242-251, Ankara, 2016.
5	Akış E., “YTMK Tünelcilik ve Yeraltı Yapıları Şubesi ve Dünyada ve Türkiye’de Tünel ve Yeraltı Yapıları”, Karayolu 3. Ulusal Kongresi Sunumlar Kitabı, 2015.
6	Akış E., Etkenen Z., Solak T., Mucukgil R., Durukan E., Ünver M., “Redesign and Monitoring of a Portal Structure in Built-Up Area”, Proceedings of the 33. ITA-AITES World Tunnel Congress, Underground Space: The 4 th Dimension of Metropolises, Prague, Czech Republics, pp.827-832, 2007.
7	Solak T., Akış E., Russo M., “Detailed Seismic Analyses for Bolu Tunnel”, Proceedings of the 2. Symposium on Underground Excavations for Transportation, İstanbul, Turkey, pp.283-289, 2007.
8	Vardar M., Karaoğlu H., Etkenen Z., Akış E., “Case Study- Deformations and Remedial Measures for Nefise Akçelik and Asarkayası Tunnels on Black Sea Coastal Road Project”, Proceedings of the 31. ITA-AITES World Tunnel Congress, Underground Space Use: Analysis of the Past and Lessons for the Future, İstanbul, Turkey, pp. 353-356, 2005.
9	Atasara M., Akçelik N., Solak T., Etkenen Z., Akış E., “Rehabilitation Planning of Old Road Tunnels in Turkey”, Proceedings of the International Conference/Workshop and Exhibition on Tunnelling and Underground Space Use, İstanbul, Turkey, pp.401-408, 2002.
10	Akçelik N., Solak T., Akış E., “Rehabilitation of Dorukhan Tunnel”, Proceedings of the International Conference/Workshop and Exhibition on Tunnelling and Underground Space Use, İstanbul, Turkey, pp.219-228, 2002.

CITATIONS

Web of Science Number of Citations (Without self-citation)	20
H-index (ISI Web of Science):	3
Citations (Google Scholar)	35
H-index (Google Scholar):	3

COURSES GIVEN

1	CE311 Soil Mechanics
2	CE328 Foundation Engineering
3	CE418 Slope Stability
4	CE490 Civil Engineering Design
5	CE420 Tunnelling
6	CE518 Slope Stability
7	TU503 Zemin Mekaniği ve Yeraltı Zemin Karakterizasyonu

THESES SUPERVISED

1	Öykü Yağmur Çiğdem, "Utilization of powdered glass and expanded polystyrene beads (EPS) as additives in clayey soils", M.S. Thesis, Civil Engineering Department, Atılım University, 2022.
2	İrem Yaşar, "An Investigation of Drained Shear Strength of Overconsolidated High Plasticity Clays", M.S. Thesis, Civil Engineering Department, Atılım University, 2021.
3	Güral Güven, "An Investigation on the Mechanical Properties and Behavior of Expanded Polystyrene (EPS) Geofoam", M.S. Thesis, Civil Engineering Department, Atılım University, 2020.
4	Ahmad Mekael, "An Investigation for The Residual Strength of Remoulded Clay Specimens Recovered from Orduköy Landslide in Northern Turkey", M.S. Thesis, Civil Engineering Department, Atılım University, 2017.