

# **Prof. M. YENER ÖZKAN**

## **Personal Information**

**Email:** myozkan@metu.edu.tr  
**Web:** <https://avesis.metu.edu.tr/myozkan>

## **International Researcher IDs**

**ORCID:** 0000-0002-4539-0263  
**Publons / Web Of Science ResearcherID:** AAQ-1112-2021  
**ScopusID:** 7103273154

## **Advising Theses**

- ÖZKAN M. Y., An Experimental study on static and dynamic behaviour of model pile foundations, Doctorate, Y.Sema(Student), 2015
- ÖZKAN M. Y., Seismic isolation of foundations by composite liners, Doctorate, V.Kalpakçı(Student), 2013
- ÖZKAN M. Y., ÇETİN K. Ö., An experimental study on the behavior of box-shaped culverts buried in sand under dynamic excitations, Doctorate, D.Ülgen(Student), 2011
- ÖZKAN M. Y., Influence of deformable geofoam bufers on the static and dynamic behaviors of cantilever retaining walls, Doctorate, Ö.Lütfi(Student), 2011
- ÖZKAN M. Y., A study on the effect of pipe - soil relative stiffness on the behaviour of buried flexible pipes, Postgraduate, M.Bircan(Student), 2010
- ÖZKAN M. Y., A comparison of two dimensional and three dimensional finite element analysis for settlement behavior of piled raft foundations, Postgraduate, V.Kaltakçı(Student), 2009
- ÖZKAN M. Y., The effect of basin edge slope on the dynamic response of soil deposits, Doctorate, S.Ciliz(Student), 2007
- ÖZKAN M. Y., An analysis of deformation behaviorof Muratlı asphalt faced rockfill dam, Postgraduate, Y.Sema(Student), 2007
- ÖZKAN M. Y., A numerical study on the dynamic behaviour of gravity and cantilever retaining walls with granular backfill, Doctorate, E.Yıldız(Student), 2007
- ÖZKAN M. Y., An analysis of Değirmendere shore landslide during 17 August 1999 Kocaeli earthquake, Postgraduate, O.Bülbul(Student), 2006
- ÖZKAN M. Y., Comparison of analysis methods of embedded retaining walls, Postgraduate, S.Harmandar(Student), 2006
- ÖZKAN M. Y., Settlement behaviour of concrete faced rockfill dams : a case study, Postgraduate, R.Savaş(Student), 2005
- ÖZKAN M. Y., A model study on the effects of wall stiffness and surcharge on dynamic lateral earth pressures, Postgraduate, U.Çilingir(Student), 2005
- ÖZKAN M. Y., An investigation on the seismic behavior of Nahrain Dam, Tabas, Iran, Postgraduate, M.D(Student), 2004
- ÖZKAN M. Y., Dynamic response and permanent displacement analysis of Akköprü Dam, Postgraduate, D.Ülgen(Student), 2004
- ÖZKAN M. Y., A study on the stress-strain behavior of railroad ballast materials by use of parallel gradation technique, Doctorate, M.Kaya(Student), 2004
- ÖZKAN M. Y., Lateral pressure on rigid retaining walls : a neural network approach, Postgraduate, E.Yıldız(Student), 2003
- ÖZKAN M. Y., Assessment of liquefaction susceptibility of level ground by in situ test based methods and their comparison, Postgraduate, F.Özgüven(Student), 2001
- ÖZKAN M. Y., A study on response of Güldürcek dam during 6 June, 2000 Çankırı earthquake, Postgraduate, Ü.Devrim(Student), 2001
- ÖZKAN M. Y., Özkan M., Effects of soil conditions on building damage distribution during 1 October 1995 Dinar

earthquake: a reevaluation, Postgraduate, S.Kalir(Student), 2000  
ÖZKAN M. Y., A Model study on the seismic behavior of gravity retaining walls, Doctorate, O.Çalışan(Student), 1999  
ÖZKAN M. Y., Design of fundamental GPS network: A case study for Turkey, Postgraduate, Ç.Yeşilyurt(Student), 1999  
ÖZKAN M. Y., Assessment of the seismic effect on retaining walls supporting dry cohesions backfill by finite element method, Postgraduate, T.Solak(Student), 1996  
ÖZKAN M. Y., YILMAZ Ç., Earthquake behaviour and permanent displacement analysis of Sürgü Dam: a reevaluation, Postgraduate, M.Ali(Student), 1995  
ÖZKAN M. Y., Analysis of a tied-back wall: a case study., Postgraduate, İ.Ergin(Student), 1993  
ÖZKAN M. Y., A model study on uplift resistance of anchor plates in sand, Postgraduate, M.Hakan(Student), 1990  
ÖZKAN M. Y., Evaluation of pile bearing capacity and settlement by load tests, Postgraduate, B.Tüzün(Student), 1989  
ÖZKAN M. Y., An evaluation of field and laboratory soil parameters of İzmir bay estuarine deposits, Postgraduate, E.Nesrin(Student), 1989  
ÖZKAN M. Y., Özkan M., A correlation study between standard penetration test and static cone penetration test results, Postgraduate, T.Ataoğlu(Student), 1989  
ÖZKAN M. Y., A study on correlation of soil parameters for Ankara clay, Postgraduate, S.İnci(Student), 1988  
ÖZKAN M. Y., Özkan M., Behaviour of embankment dams under earthquake loading and a case study on surgü dam, Postgraduate, B.Sadık(Student), 1987

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

- I. **Experimental evaluation of geomembrane/geotextile interface as base isolating system**  
Kalpakci V., Bonab A. T., ÖZKAN M. Y., GÜLERCE Z.  
GEOSYNTHETICS INTERNATIONAL, vol.25, no.1, pp.1-11, 2018 (SCI-Expanded)
- II. **Reduction of dynamic earth loads on flexible cantilever retaining walls by deformable geofoam panels**  
ERTUĞRUL Ö. L., Trandafir A. C., ÖZKAN M. Y.  
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.92, pp.462-471, 2017 (SCI-Expanded)
- III. **Measurement of ground borne vibrations for foundation design and vibration isolation of a high-precision instrument**  
ÜLGEN D., ERTUĞRUL Ö. L., ÖZKAN M. Y.  
MEASUREMENT, vol.93, pp.385-396, 2016 (SCI-Expanded)
- IV. **EVALUATION OF DYNAMIC SOIL PRESSURES ACTING ON RIGID CULVERTS: SHAKING-TABLE TESTS**  
ÜLGEN D., ÖZKAN M. Y.  
ACTA GEOTECHNICA SLOVENICA, vol.13, no.2, pp.66-81, 2016 (SCI-Expanded)
- V. **Assessment of racking deformation of rectangular underground structures by centrifuge tests**  
ÜLGEN D., SAĞLAM S., ÖZKAN M. Y.  
GEOTECHNIQUE LETTERS, vol.5, no.4, pp.261-268, 2015 (SCI-Expanded)
- VI. **Dynamic response of a flexible rectangular underground structure in sand: centrifuge modeling**  
ÜLGEN D., SAĞLAM S., ÖZKAN M. Y.  
BULLETIN OF EARTHQUAKE ENGINEERING, vol.13, no.9, pp.2547-2566, 2015 (SCI-Expanded)
- VII. **Numerical analyses of load tests on model foundations in dry sand**  
Unsever Y. S., Matsumoto T., ÖZKAN M. Y.  
COMPUTERS AND GEOTECHNICS, vol.63, pp.255-266, 2015 (SCI-Expanded)
- VIII. **Reduction of Lateral Earth Pressure by EPS Geofoam Inclusions**  
ERTUĞRUL Ö. L., Trandafir A. C., ÖZKAN M. Y.  
TEKNİK DERGİ, vol.23, no.2, pp.5885-5901, 2012 (SCI-Expanded)
- IX. **A SIMPLIFIED APPROACH TO THE SETTLEMENT ESTIMATION OF PILED RAFTS**  
Kalpakci V., ÖZKAN M. Y.  
ACTA GEOTECHNICA SLOVENICA, vol.9, no.1, pp.77-85, 2012 (SCI-Expanded)

## **Refereed Congress / Symposium Publications in Proceedings**

### **I. DEFORMATION ANALYSIS OF CONCRETE FACED AYDIN KARACASU DAM AND COMPARISON OF THEORETICAL RESULTS WITH MEASUREMENTS**

Çokça E., Tütüncübaşı Tosun T., Özkan M. Y., Yıldız S. G.

5th International Symposium on Dam Safety, İstanbul, Turkey, 27 October - 01 November 2018, vol.2, pp.811-821

### **II. Physical and numerical modelling of pile foundations subjected to vertical and horizontal loading in dry sand**

Unsever Y. S., ÖZKAN M. Y., Matsumoto T., Shimono S., Esashi K.

Computer Methods and Recent Advances in Geomechanics, Kyoto, Japan, 22 - 25 September 2014, pp.963-968

## **Supported Projects**

ÖZKAN M. Y., Project Supported by Higher Education Institutions, Deprem Kataloğu Oluşturarak Marmara Denizi Ve Adapazarı Bölgesinin Sismik Modellemesi Ve Olasılıksal Sismik Tehlike Analizi Çalışması, 2009 - 2010

## **Metrics**

Publication: 14

Citation (WoS): 135

Citation (Scopus): 86

H-Index (WoS): 6

H-Index (Scopus): 5