

Asst. Prof. EDA AVANOĞLU SICACIK

Personal Information

Office Phone: [+90 0312 202 8860](tel:+9003122028860) Extension: 2358

Email: eavanoglu@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/10936>

International Researcher IDs

ORCID: 0000-0003-4154-6758

Yoksis Researcher ID: 37948

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (YI) (Tezli), Turkey 2005 - 2011

Postgraduate, Kirikkale University, Institute Of Science, İnşaat Mühendisliği (YI) (Tezli), Turkey 2002 - 2004

Undergraduate, Kirikkale University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 1998 - 2002

Dissertations

Doctorate, Mesnetlerinden farklı yer hareketi etkisindeki kablolu köprülerin yapı-zemin etkileşim analizi, Gazi University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (YI) (Tezli), 2011

Postgraduate, Değişen kat adedi ve perde oranı için kat kesme kuvvetlerinin kolon ve perde elemanlara dağılımı, Kirikkale University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (YI) (Tezli), 2004

Research Areas

Building Dynamics, Earthquake Engineering, Concrete Structures

Academic Titles / Tasks

Assistant Professor, Kirikkale University, Faculty Of Engineering, Department Of Civil Engineering, 2012 - Continues

Research Assistant, Kirikkale University, Faculty Of Engineering, Department Of Civil Engineering, 2011 - 2012

Research Assistant, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2005 - 2011

Research Assistant, Kirikkale University, Faculty Of Engineering, Department Of Civil Engineering, 2002 - 2005

Courses

Advanced Structural Analysis, Postgraduate, 2021 - 2022

Mukavemet 2, Undergraduate, 2020 - 2021

Yapı Statiği 1, Undergraduate, 2020 - 2021

Mukavemet 1, Undergraduate, 2020 - 2021

Dinamik, Undergraduate, 2020 - 2021

ADVISING TESISES

AVANOĞLU SICACIK E., Farklı beton sınıfları kullanılan cam elyaf donatılıhibrit kirişlerin eğilme davranışı, Postgraduate, Z.SARIER(Student), 2018

AVANOĞLU SICACIK E., Cam elyaf donatılı kirişlerin eğilme davranışının sonlu elemanlar yöntemi ile analizi, Postgraduate, S.KARTAL(Student), 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of the effect of spatially varying ground motion components on the dynamic behaviour of cable-stayed bridges depending on soil conditions Yer hareketi değişim bileşenlerinin kablolu köprülerin dinamik davranışı üzerindeki etkisinin zemin koşullarına bağlı olarak incelenmesi**
Avanoglu Sicacik E., SOYLUK K.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.27, no.4, pp.881-889, 2012 (SCI-Expanded)
- II. **Soil-structure interaction analysis of cable-stayed bridges for spatially varying ground motion components**
SOYLUK K., Sicacik E.
Soil Dynamics and Earthquake Engineering, vol.35, pp.80-90, 2012 (SCI-Expanded)
- III. **Dynamic effects induced by traffic loads on cable-stayed bridges Kablolu köprülerde trafik yüklerinin neden olduğu dinamik etkiler**
Cengiz A., SOYLUK K., Sicacik E.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.26, no.1, pp.243-252, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Hibrit (GFRP-Çelik) Donatılı Kirişlerde Donatı Oranının Eğilme Davranışına Etkileri**
KAYA N., AVANOĞLU SICACIK E., ER Ş., KOPRAMAN Y., BÜYÜKKARAGÖZ A.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.24, pp.1109-1119, 2021 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **YÜKSEK DAYANIMLI BETONLU HİBRİT (KARBON VE ÇELİK) DONATILI BETONARME KİRİŞLERİN EĞİLME DAVRANIŞI**
AVANOĞLU SICACIK E., BAKIRCI ER Ş., FİLAZİ A.
II. INTERNATIONALSCIENTIFIC AND VOCATIONALSTUDIES CONGRESS (BILMES 2018), 5 - 08 July 2018
- II. **HAFİF BETONLU KARBON (CFRP) VE ÇELİK DONATILI HİBRİT KİRİŞLERİN EĞİLME DAVRANIŞI**
BAKIRCI ER Ş., AVANOĞLU SICACIK E., FİLAZİ A.
II. INTERNATIONALSCIENTIFIC AND VOCATIONALSTUDIES CONGRESS (BILMES 2018), 5 - 08 July 2018
- III. **Investigating The Flexural Behavior Of Lightweight Concrete Beams Reinforced With Basalt (BFRP) Bars**
Er Ş. B., Avanoğlu Sicacık E.
International Congress on Advances in Civil Engineering, İzmir, Turkey, 12 - 14 September 2018, pp.1-7
- IV. **The Effect of Fiber Type and Ratio to Mechanical Properties of Cement Mortar**
Er Ş. B., Avanoğlu Sicacık E., Sevim Ö., Demir İ.
ICOCEE-Cappadocia, Nevşehir, Turkey, 8 - 10 May 2017, pp.3436
- V. **Flexural Behavior Modelling of Lightweight Reinforced Concrete Beams**
Avanoğlu Sicacık E.
ICOCEE-Cappadocia, Nevşehir, Turkey, 8 - 10 May 2017, pp.3432

- VI. **Flexural Behavior of Reinforced Concrete Beams with Lightweight Concrete**
Avanođlu Sıcacık E.
ICOCEE-Cappadocia, Nevşehir, Turkey, 8 - 10 May 2017, pp.3435
- VII. **Analysing Flexural Behavior of GFRP Reinforced Concrete Beams with Finite Element Method**
Avanođlu Sıcacık E., Kartal S.
12 th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.1-7
- VIII. **Analysing the Flexural Behavior of GFRP Reinforced Concrete Beams with Finite Element Method**
AVANOĐLU SICACIK E., KARTAL S.
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016
- IX. **Soil-structure interaction analysis of cable-stayed bridges for multiple-support excitations**
Soyluk K., Sıcacık E.
8th International Conference on Structural Dynamics, EURO DYN 2011, Leuven, Belgium, 4 - 06 July 2011, pp.547-554
- X. **Time Dependent Nonlinear Analysis of Segmentally Erected Cable-Stayed Bridges**
Soyluk K., Avanođlu Sıcacık E.
Ninth International Congress on Advances in Civil Engineering, Trabzon, Turkey, 27 - 30 September 2010, pp.1-10
- XI. **Soil-structure Interaction Analysis of Cable-stayed Bridges for Delayed Excitations**
Soyluk K., Avanođlu Sıcacık E.
Ninth International Congress on Advances in Civil Engineering, Trabzon, Turkey, 27 - 30 September 2010, pp.1-10
- XII. **Zemin Sınırlarının Geçirgen Sınırlarla Modellendiđi Kablolü Köprülerin Dinamik Analizi**
Soyluk K., Avanođlu Sıcacık E.
Uluslararası Sakarya Deprem Sempozyumu, Sakarya, Turkey, 1 - 02 October 2009, pp.440-450
- XIII. **Beton Barajların Tasarımında Kırılma Mekanikliği**
ŞENER S., AVANOĐLU SICACIK E., BELGİN Ç. M., ÖZBEK T.
1.Ulusal Baraj Güvenliđi Sempozyumu ve Sergisi, Ankara, Turkey, 28 - 30 May 2007, pp.485-494
- XIV. **Aşırı Donatılı Betonarme Kirişlerde Tek Boyutlu Boyut Etkisi**
ŞENER S., BELGİN Ç. M., AVANOĐLU SICACIK E.
GAP V.Mühendislik Kongresi, Şanlıurfa, Turkey, 26 April 2006

Supported Projects

KAYA N., ATEŞ A. O., KOPRAMAN Y., AVANOĐLU SICACIK E., Project Supported by Higher Education Institutions, Lifli Polimer Şeritler Kullanılarak Sargılanmış Betonun Eksenel Yük Etkisi Altındaki Davranışının İncelenmesi, 2023 - Continues

AVANOĐLU SICACIK E., Tokgöz G., Project Supported by Higher Education Institutions, Bir Hidroelektrik Santrali Baraj Gövde Yapısının Operasyonel Modal Analizi, 2022 - Continues

AVANOĐLU SICACIK E., KAYA N., ABDUL QAHAR N., Project Supported by Higher Education Institutions, Baraj Gövde Yapısının Sonlu Elemanlar Yöntemi ile Modellenmesi ve Dinamik Analizi, 2022 - Continues

AVANOĐLU SICACIK E., Project Supported by Higher Education Institutions, Hafif Betonlu Hibrit Kirişlerin Eğilme Davranışı, 2016 - 2018

Metrics

Publication: 21

Citation (WoS): 43

Citation (Scopus): 55

H-Index (WoS): 1

H-Index (Scopus): 2