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Education Information

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

Postgraduate, Kirikkale University, Institute Of Science, İnşaat Mühendisliği (Yl) (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 (Yl) (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 (Yl) (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

AÖVİSİNG İNESES

AVANOĞLU SICACIK E., Farklı beton sınıfları kullanılan cam elyaf donatılı hibrit kırışlerin eğilme davranışları, Postgraduate, Z.SARIER(Student), 2018

AVANOĞLU SICACIK E., Cam elyaf donatılı kırışlerin 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 degisim bilesenlerinin kablolu köprülerin dinamik davranışının üzerindeki etkisinin zemin koşullarına bağlı olarak incelenmesi
Avanoğlu 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 Kırışlerde Donatı Oranının Eğilme Davranışına Etkileri**
KAYA N., AVANOĞLU SICACIK E., ER Ş., KOPRAMAN Y., BÜYÜKKARAGÖZ A.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGİSİ, 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. INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES 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. INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES 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 Sicacik 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 Sicacik 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 Sicacik E.
ICOCEE-Cappadocia, Nevşehir, Turkey, 8 - 10 May 2017, pp.3432

- VI. **Flexural Behavior of Reinforced Concrete Beams with Lightweight Concrete**
Avanoğlu Sicacık E.
ICOCEE-Cappadocia, Nevşehir, Turkey, 8 - 10 May 2017, pp.3435
- VII. **Analysing Flexural Behavior of GFRP Reinforced Concrete Beams with Finite Element Method**
Avanoğlu Sicacık 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**
AVANOĞLU 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., Sicacik E.
8th International Conference on Structural Dynamics, EURODYN 2011, Leuven, Belgium, 4 - 06 July 2011, pp.547-554
- X. **Time Dependent Nonlinear Analysis of Segmentally Erected Cable-Stayed Bridges**
Soyluk K., Avanoğlu Sicacık E.
Ninth International Congres on Advances in Civil Enginnering, Trabzon, Turkey, 27 - 30 September 2010, pp.1-10
- XI. **Soil-structure Interaction Analysis of Cable-stayed Bridges for Delayed Excitations**
Soyluk K., Avanoğlu Sicacık E.
Ninth International Congres on Advances in Civil Enginnering, Trabzon, Turkey, 27 - 30 September 2010, pp.1-10
- XII. **Zemin Sınırlarının Geçirgen Sınırılarla Modellediği Kablolu Köprülerin Dinamik Analizi**
Soyluk K., Avanoğlu Sicacık E.
Uluslararası Sakarya Deprem Sempozyumu, Sakarya, Turkey, 1 - 02 October 2009, pp.440-450
- XIII. **Beton Barajların Tasarımında Kırılma Mekaniği**
ŞENER S., AVANOĞLU SICACIK E., BELGİN Ç. M., ÖZBEK T.
1.Uluslararası Baraj Güvenliği 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., AVANOĞLU SICACIK E.
GAP V.Mühendislik Kongresi, Şanlıurfa, Turkey, 26 April 2006

Supported Projects

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

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

AVANOĞLU 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

AVANOĞLU 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