

Assoc. Prof. Ömer Fatih YALÇIN

Personal Information

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Education Information

Doctorate, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Mühendislik Bilimleri, Turkey 2002 - 2006

Post Graduate, Pennsylvania State University, Graduate School, Department of Engineering Science and Mechanics, United States Of America 1997 - 1999

Under Graduate, Çukurova Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 1991 - 1995

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, A dynamic theory for laminated composites consisting of anisotropic layers, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Mühendislik Bilimleri, 2006

Post Graduate, Evolution of state in a titanium matrix composite under biaxial tension at high temperature, Pennsylvania State University, Graduate School, Department Of Engineering Science And Mechanics, 1999

Research Areas

Civil Engineering, Mechanical, Structural Mechanics, Mechanical Engineering, Mechanical, Solid Mechanics, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Civil Engineering, 2018 - Continues

Assistant Professor, İstanbul University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2012 - 2018

Assistant Professor, Dumlupınar Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2006 - 2012

Research Assistant, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Mühendislik Bilimleri, 2002 - 2006

Professional Experience

Head of Department, Dumlupınar Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, 2009 - 2012

Deputy Head of Department, Dumlupınar Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, 2006 - 2012

Courses

Structural Analysis I, Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021

Mühendislik Mekaniği, Under Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020

Nümerik Yöntemler, Under Graduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020

BİTİRME PROJESİ II, Under Graduate, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020

Bitirme Projesi I, Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021

Structural Analysis, Under Graduate, 2019 - 2020, 2020 - 2021

Mühendislik Matematiğinde Analitik ve Nümerik Yöntemler, Post Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021

DİFERANSİYEL DENKLEMLER, Under Graduate, 2019 - 2020

İnşaat Mühendisleri için Bilgisayar Programlama, Post Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019

Structural Analysis II, Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019

Diferansiyel Denklemler, Under Graduate, 2017 - 2018

Nümerik Yöntemler (Türkçe), Under Graduate, 2016 - 2017

İnşaat Mühendisliğinde Statik, Under Graduate, 2014 - 2015, 2015 - 2016

İnşaat Mühendisleri için Bilgisayar Programlama, Post Graduate, 2014 - 2015

Mühendislik Mekaniği, Under Graduate, 2013 - 2014, 2014 - 2015

Su Kaynakları Mühendisliği, Under Graduate, 2013 - 2014

Yapı Statiği II, Under Graduate, 2012 - 2013, 2013 - 2014

İNŞAAT MÜHENDİSLERİ İÇİN BİLGİSAYAR PROGRAMLAMA, Post Graduate, 2013 - 2014

Mühendislik Matematiğinde Analitik ve Nümerik Yöntemler, Post Graduate, 2012 - 2013, 2013 - 2014, 2014 - 2015

BİTİRME PROJESİ I, Under Graduate, 2013 - 2014

İnşaat Mühendisliğinde Statik, Under Graduate, 2012 - 2013, 2013 - 2014

Yapı Mühendisliğinde Bilgisayar Uygulamaları, Under Graduate, 2011 - 2012

Yapı Statiği II, Under Graduate, 2011 - 2012

Jury Memberships

Doctorate, Doktora Tez Savunması, Orta Doğu Teknik Üniversitesi, October, 2014

Doctorate, Doktora Tez Savunması, Orta Doğu Teknik Üniversitesi, September, 2014

Doctorate, Doktora Tez Savunması, Orta Doğu Teknik Üniversitesi, July, 2012

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Effect of the high frequency components of near-fault ground motions on the response of linear and nonlinear SDOF systems: A moving average filtering approach**
Yalcin Ö. F. , DİCLELİ M.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.129, 2020 (Journal Indexed in SCI)
- II. **Incorporation of Skew Effects in Live-Load Distribution Factors Developed for Typical Integral Bridges**
DİCLELİ M., Yalcin O. F.
JOURNAL OF BRIDGE ENGINEERING, vol.23, no.2, 2018 (Journal Indexed in SCI)
- III. **A comparative study of live load distribution in Skewed Integral and Simply Supported Bridges**
Yalcin O. F.
KSCE JOURNAL OF CIVIL ENGINEERING, vol.21, no.3, pp.937-949, 2017 (Journal Indexed in SCI)

- IV. **Critical Truck Loading Pattern to Maximize Live Load Effects in Skewed Integral Bridges**
DİCLELİ M., Yalcin O. F.
STRUCTURAL ENGINEERING INTERNATIONAL, vol.24, no.2, pp.265-274, 2014 (Journal Indexed in SCI)
- V. **A new boundary element formulation for wave load analysis**
Yalcin O. F. , Mengi Y.
COMPUTATIONAL MECHANICS, vol.52, no.4, pp.815-826, 2013 (Journal Indexed in SCI)
- VI. **Comparative Study on the Effect of Number of Girders on Live Load Distribution in Integral Abutment and Simply Supported Bridge Girders**
Yalcin O. F. , DİCLELİ M.
ADVANCES IN STRUCTURAL ENGINEERING, vol.16, no.6, pp.1011-1034, 2013 (Journal Indexed in SCI)
- VII. **Higher order approximate dynamic models for layered composites**
Yalcin O. F. , Mengi Y., Turhan D.
EUROPEAN JOURNAL OF MECHANICS A-SOLIDS, vol.26, no.3, pp.418-441, 2007 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Obtaining Live Load Distribution Factors Equations for Simply Supported Bridges using Neural Networks**
Yalçın Ö. F.
Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.35, no.3, pp.609-622, 2020 (National Refreed University Journal)
- II. **İntegral Köprülerde Hareketli Yükler Altında Üstyapı Özelliklerinin Kazık Kuvvetlerine Etkisi**
YALÇIN Ö. F.
Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.32, no.2, pp.195-206, 2017 (National Refreed University Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Assessment of a Refined Theory for Bilaminated Composites**
YALÇIN Ö. F. , Mengi Y.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, İstanbul, Turkey, 10 - 12 May 2017, pp.84
- II. **A Refined Theory for Periodically Laminated Plates**
YALÇIN Ö. F. , Mengi Y.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, İstanbul, Turkey, 10 - 12 May 2017, pp.65
- III. **Basit Mesnetli Köprülerde Hareketli Yük Analizlerini Kolaylaştıran bir Bilgisayar Programı**
YALÇIN Ö. F.
Akademik Bilişim Konferansları (AB 2017), Aksaray, Turkey, 8 - 10 February 2017, pp.1-8
- IV. **Effect of skew angle on live load distribution in integral and simply supported bridges**
YALÇIN Ö. F.
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.1609-16010
- V. **Truck Loading Positions for Maximum Live Load Girder Moment in Skewed Integral Bridges**
YALÇIN Ö. F.
11th International Conference of Computational Methods in Sciences and Engineering, ICCMSE 2015, Atina, Greece, 20 - 23 March 2015, pp.1-5
- VI. **A Dynamic Theory for Laminated Thermoelastic Composites**
YALÇIN Ö. F. , Mengi Y.
3rd International Conference on Material Modelling, Varşova, Poland, 8 - 11 September 2013, vol.1, no.1, pp.296
- VII. **Effect of Number of Girders on Live Load Distribution Factors for Integral Abutment Bridge**

Substructures

Yalcin O. F. , Dicleli M.

9th International Congress on Advances in Civil Engineering, Turkey, 1 - 04 September 2010, pp.1-8

VIII. Transient PressureWaves in Periodically Layered Media

Yalcin O. F.

International Symposium on Advances in Earthquake & Structural Engineering, Turkey, 1 - 04 October 2007, pp.109-119

IX. A higher order dynamic theory for anisotropic thermoelastic plates

Yalcin O. F. , Mengi Y., Turhan D.

6th European Conference on Structural Dynamics: Eurodyn 2005, France, 1 - 04 September 2005, pp.2193-2197

X. Evolution of state in a titanium matrix composite under biaxial tension

Lissenden C., Yalcin O. F. , Iyer S.

Proceedings of the Eighth Japan-U.S. Conference on Composite Materials, United States Of America, 1 - 04 September 1998, pp.325-334

Supported Projects

YALÇIN Ö. F. , DİCLELİ M., Project Supported by Higher Education Institutions, Verevli integral ve basit mesnetli köprülerde hareketli yük dağılımlarının karşılaştırmalı incelemesi ve verev etkisinin integral köprülerin hareketli yük dağılım faktörlerine eklenmesi, 2018 - 2019

YALÇIN Ö. F. , DİCLELİ M., Project Supported by Higher Education Institutions, Critical Truck Loading Pattern to Maximize Live Load Effects in Skewed Integral Bridges, 2016 - 2017

YALÇIN Ö. F. , Project Supported by Higher Education Institutions, İntegral ve basit mesnetli köprüler üzerindeki hareketli yük dağılımına giriş sayısının etkisi, 2014 - 2016

YALÇIN Ö. F. , TUBITAK Project, Verevli Integral Köprülerde Üstyapı-Uçayak Sürekliliğinin Ve Verev Açısının Hareketli Yüklerin Dağılımına Etkisi, 2014 - 2015

YALÇIN Ö. F. , Project Supported by Higher Education Institutions, Termoelastik tabakalı kompozitler için dinamik bir teori, 2013 - 2013

YALÇIN Ö. F. , TUBITAK Project, Karayolları Genel Müdürlüğü Köprü Yönetim Sisteminin Geliştirilmesi, 2009 - 2012

Scientific Refereeing

TUBITAK Project, 1002 - Quick Support Program, Osmaniye Korkut Ata University, Turkey, October 2020

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, SCI Journal, September 2020

STRUCTURE AND INFRASTRUCTURE ENGINEERING, SCI Journal, July 2020

GÜMÜŞHANE ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, June 2020

STRUCTURE AND INFRASTRUCTURE ENGINEERING, SCI Journal, February 2020

GAZİ UNIVERSITY JOURNAL OF SCIENCE, National Scientific Refreed Journal, December 2019

ADVANCES IN CIVIL ENGINEERING, SCI Journal, November 2019

SHOCK AND VIBRATION, SCI Journal, October 2019

GAZİ UNIVERSITY JOURNAL OF SCIENCE, National Scientific Refreed Journal, July 2018

GAZİ UNIVERSITY JOURNAL OF SCIENCE, National Scientific Refreed Journal, June 2018

JOURNAL OF TESTING AND EVALUATION, SCI Journal, April 2018

STRUCTURE AND INFRASTRUCTURE ENGINEERING, SCI Journal, January 2018

Edit Congress and Symposium Activities

INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, Attendee, İstanbul, Turkey, 2017

Akademik Bilişim Konferansları (AB 2017), Attendee, Aksaray, Turkey, 2017

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Attendee, Adana, Turkey, 2016

11th International Conference of Computational Methods in Sciences and Engineering, ICCMSE 2015, Attendee, Atina, Greece, 2015

3rd International Conference on Material Modelling, Varşova, POLONYA, 8-11 Eylül 2013, Attendee, Varşova, Poland, 2013

9th International Congress on Advances in Civil Engineering, TÜRKİYE, 27-30 September 2010, Attendee, Trabzon, Turkey, 2010

International Symposium on Advances in Earthquake & Structural Engineering, TÜRKİYE, 24-26 October 2007, Attendee, Turkey, 2007

6th European Conference on Structural Dynamics: Eurodyn 2005 , FRANSA, 4-7 September 2005, Attendee, Paris, France, 2005

Eighth Japan-U.S. Conference on Composite Materials , MA, USA, 24-25 September 1998,, Attendee, United States Of America, 1998

Citations

Total Citations (WOS):16

h-index (WOS):3