

## Prof. Dr. YAPRAK ITIR ÖZDEMİR

### Kişisel Bilgiler

İş Telefonu: [+90 462 377 4018](tel:+904623774018)

E-posta: [yozdemir@ktu.edu.tr](mailto:yozdemir@ktu.edu.tr)

Web: <https://avesis.ktu.edu.tr//yozdemir>

### Uluslararası Araştırmacı ID'leri

ORCID: 0000-0002-0658-1366

ScopusID: 35105665300

Yoksis Araştırmacı ID: 112770

### Eğitim Bilgileri

Lisans, Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, Türkiye 1993 - 1997

### Yabancı Diller

İngilizce, B1 Orta

### Sertifika, Kurs ve Eğitimler

Eğitim Yönetimi ve Planlama, FEN BİLİMLERİNDE ARAŞTIRMA PROJESİ HAZIRLAMA, TÜBİTAK, 2014

### Yaptığı Tezler

Doktora, DEPREM ETKİSİNDEKİ KALIN PLAKLARIN MİNDLİN TEORİSİ KULLANILARAK PARAMETRİK OLARAK İNCELENMESİ, Karadeniz Teknik Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, 2007  
Yüksek Lisans, FARKLI RİJİTLEŞTİRİCİ ELEMANLARA SAHİP DEPREM ETKİSİNDEKİ YAPILARIN LİNEER DAVRANIŞLARININ ZEMİNE DE DİKKATE ALARAK KARŞILAŞTIRMALI OLARAK İNCELENMESİ, Karadeniz Teknik Üniversitesi, -, İnşaat Mühendisliği, 2001

### Araştırma Alanları

İnşaat Mühendisliği, Yapı, Yapı Mühendisliği, Mühendislik ve Teknoloji

### Verdiği Dersler

BETONARME II, Lisans, 2016 - 2017

BETONARME I, Lisans, 2016 - 2017

İNŞAAT MÜHENDİSLİĞİNE GİRİŞ, Lisans, 2016 - 2017

YAPI SİSTEMLERİNİN SAYISAL ÇÖZÜMÜ, Yüksek Lisans, 2015 - 2016

ÇELİK YAPILAR, Lisans, 2015 - 2016

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Dynamic behaviour of thick plates resting on Winkler foundation with fourth order element**  
Ozdemir Y.  
EARTHQUAKES AND STRUCTURES, cilt.16, sa.3, ss.359-368, 2019 (SCI-Expanded)
- II. **Optimization of the braced dome structures by using Jaya algorithm with frequency constraints**  
Grzywinski M., DEDE T., ÖZDEMİR Y. I.  
STEEL AND COMPOSITE STRUCTURES, cilt.30, sa.1, ss.47-55, 2019 (SCI-Expanded)
- III. **Is it shear locking or mesh refinement problem?**  
ÖZDEMİR Y. I., AYVAZ Y.  
STRUCTURAL ENGINEERING AND MECHANICS, cilt.50, sa.2, ss.181-199, 2014 (SCI-Expanded)
- IV. **Development of a higher order finite element on a Winkler foundation**  
Ozdemir Y. I.  
FINITE ELEMENTS IN ANALYSIS AND DESIGN, cilt.48, sa.1, ss.1400-1408, 2012 (SCI-Expanded)
- V. **Materially nonlinear free vibration analysis of reinforced concrete beam**  
DEDE T., Ayvaz Y., ÖZDEMİR Y. I.  
JOURNAL OF VIBRATION AND CONTROL, cilt.17, sa.7, ss.1090-1098, 2011 (SCI-Expanded)
- VI. **Parametric earthquake analysis of thick plates using Mindlin's theory**  
ÖZDEMİR Y. I., Ayvaz Y.  
SHOCK AND VIBRATION, cilt.17, sa.6, ss.771-785, 2010 (SCI-Expanded)
- VII. **Shear locking-free earthquake analysis of thick and thin plates using Mindlin's theory**  
ÖZDEMİR Y. I., Ayvaz Y.  
STRUCTURAL ENGINEERING AND MECHANICS, cilt.33, sa.3, ss.373-385, 2009 (SCI-Expanded)
- VIII. **Earthquake behavior of stiffened RC frame structures with/without subsoil**  
Ozdemir Y. I., Ayvaz Y.  
STRUCTURAL ENGINEERING AND MECHANICS, cilt.28, sa.5, ss.571-585, 2008 (SCI-Expanded)
- IX. **Shear locking-free analysis of thick plates using Mindlin's theory**  
Ozdemir Y. I., Bekiroğlu S., Ayvaz Y.  
STRUCTURAL ENGINEERING AND MECHANICS, cilt.27, sa.3, ss.311-331, 2007 (SCI-Expanded)

## Diğer Dergilerde Yayınlanan Makaleler

- I. **EARTQUAKE BEHAVIOUR OF THICK PLATES RESTING ON ELASTIC FOUNDATION WITH FIRST ORDER FINITE ELEMENT**  
ÖZDEMİR Y. I.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, cilt.36, sa.4, ss.935-950, 2018 (ESCI)
- II. **Eartquake Behaviour Of Thick Plates Resting On Elastic Foundation With First Order Finite Element**  
ÖZDEMİR Y. I.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, cilt.36, ss.935-950, 2018 (Hakemli Dergi)
- III. **PARAMETRIC EIGENVALUE ANALYSIS OF MINDLIN PLATES RESTING ON WINKLER FOUNDATION WITH SECOND ORDER FINITE ELEMENT**  
ÖZDEMİR Y. I.  
Sigma Journal Of Engineering and Natural Sciences, cilt.36, sa.1, ss.191-206, 2018 (ESCI)
- IV. **Eigenvector and eigenvalue analysis of thick plates resting on elastic foundation with first order finite element**  
ÖZDEMİR Y. I.  
CHALLENGE JOURNAL OF STRUCTURAL MECHANICS, cilt.4, sa.2, ss.61-76, 2018 (Hakemli Dergi)
- V. **PARAMETRIC EIGENVALUE ANALYSIS OF MINDLIN PLATES RESTING ON WINKLER FOUNDATION**

## WITH SECOND ORDER FINITE ELEMENT

ÖZDEMİR Y. I.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, cilt.36, sa.1, ss.191-206, 2018 (ESCI)

- VI. **Earthquake analysis of thick plates resting on elastic foundation with second order finite element**  
ÖZDEMİR Y. I.  
Journal of Structural Engineering & Applied Mechanics, cilt.1, sa.2, ss.52-61, 2018 (Hakemli Dergi)
- VII. **Forced vibration analysis of Mindlin plates resting on Winkler foundation**  
ÖZDEMİR Y. I.  
CHALLENGE JOURNAL OF STRUCTURAL MECHANICS, cilt.4, sa.1, ss.18-26, 2018 (Hakemli Dergi)
- VIII. **Eigenvalue Analysis of Mindlin Plates Resting on Elastic Foundation**  
ÖZDEMİR Y. I.  
Turkish Journal of Electromechanics & Energy, cilt.2, sa.2, ss.20-25, 2017 (Hakemli Dergi)
- IX. **Parametric analysis of thick plates subjected to earthquake excitations**  
ÖZDEMİR Y. I., Ayvaz Y., DEDE T.  
CHALLENGE JOURNAL OF STRUCTURAL MECHANICS, cilt.1, sa.1, ss.9-12, 2015 (Hakemli Dergi)

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **The Dynamic Behavior and Response of a Thick Plate at the Kocaeli Earthquake in Turkey**  
ÖZDEMİR Y. I., DEDE T.  
International Conference on Innovation, Sustainability, Technology and Education in Civil Engineering, Hatay, Türkiye, 13 - 15 Haziran 2019, ss.1288-1298
- II. **The Effects of The Aspect Ratio and Thickness/Span Ratio at The Free Vibration Behaviour of Thick Plates on Elastic Foundation with First Order Finite Element**  
ÖZDEMİR Y. I.  
1. Anadolu Uluslararası Multidisipliner Çalışmalar Kongresi, Diyarbakır, Türkiye, 28 - 29 Aralık 2018, ss.181-192
- III. **Forced vibration analysis of Mindlin plates resting on Winkler foundation**  
ÖZDEMİR Y. I.  
1. Anadolu Uluslararası Multidisipliner Çalışmalar Kongresi, Diyarbakır, Türkiye, 28 - 29 Aralık 2018, ss.193-204
- IV. **Parametric forced vibration analysis of Mindlin plate resting on Winkler foundation with first order finite element**  
ÖZDEMİR Y. I.  
International Science and Academic Congress'18, İstanbul, Türkiye, 8 - 09 Aralık 2018
- V. **Parametric Forced Vibration Analysis of Mindlin Plates Resting on Winkler Foundation with Newmark Method**  
ÖZDEMİR Y. I.  
13th International Congress on Advances in Civil Engineering, İzmir, Türkiye, 12 - 14 Eylül 2018, ss.52-59
- VI. **Free Vibration Parametric Analysis of Thick Plates Resting on Winkler Foundation**  
ÖZDEMİR Y. I.  
II. International Conference on Advanced Engineering Technologies, Bayburt, Türkiye, 21 - 23 Eylül 2017, ss.1234-1245
- VII. **Fourth Order Shear Locking Free Finite Element Forced Vibration Parametric Analysis of Thick Plates Resting on Elastik Foundation**  
ÖZDEMİR Y. I.  
II. International Conference on Advanced Engineering Technologies, Bayburt, Türkiye, 21 - 23 Eylül 2017, ss.1627
- VIII. **Shear Locking-Free Analysis of Mindlin Plates Resting on Elastic Foundation**  
ÖZDEMİR Y. I.  
Proceedings of the 9th International Congress on Advanced in Civil Engineering, Trabzon, Türkiye, 27 - 30 Eylül 2010, ss.1-10

- IX. Parametric Analysis of Thick Plates Subjected to Earthquake Excitations**  
ÖZDEMİR Y. I., Ayvaz Y.  
Proceedings of the 8th International Congress on Advanced in Civil Engineering, Famagusta, Kıbrıs (Kkct), 15 - 17 Eylül 2008, ss.99-106
- X. Evaluation of h, p, hp FEM for Elastostatic Plane Problems**  
Bekiroğlu S., Ayvaz Y., ÖZDEMİR Y. I.  
Proceedings of the 8th International Congress on Advanced in Civil Engineering, Famagusta, Kıbrıs (Kkct), 15 - 17 Eylül 2008, ss.123-131
- XI. Comparative Study Of Mindlin Plates Using 4- And 8-Noded Finite Elements**  
ÖZDEMİR Y. I., Ayvaz Y.  
Proceedings of the International Symposium on Advances in Earthquake & Structural Engineering, Isparta, Türkiye, 24 - 26 Ekim 2007, ss.245-255
- XII. Dynamic Analysis Of Thick Plates Subjected To Eartquake**  
ÖZDEMİR Y. I., Ayvaz Y.  
International Eartquake Symposium Kocaeli, Kocaeli, Türkiye, 22 - 24 Ekim 2007, ss.348-360
- XIII. Effects of Soil Condition on Behavior of Stiffened Rc Frame Structures Subjected To Earthquakes**  
ÖZDEMİR Y. I., Ayvaz Y.  
International Eartquake Symposium Kocaeli, Kocaeli, Türkiye, 22 - 24 Ekim 2007, ss.302-311
- XIV. Shear Locking-Free Analysis of Thick Plates Subjected To Earthquake Excitations**  
ÖZDEMİR Y. I., Ayvaz Y.  
International Conference on Civil, Structural and Environmental Engineering Computing, Julians, Malta, 18 - 21 Eylül 2007, ss.212-227
- XV. Analysis of clamped and simply supported thick plates using finite element method**  
ÖZDEMİR Y. I., Ayvaz Y.  
Proc. of the 6th Int. Cong. on Advances in Civil Engineering, İstanbul, Türkiye, 21 - 23 Eylül 2004, cilt.1, ss.652-661
- XVI. Comparative Study of Frame Structure Including Subsoil with Different Stiffening Members Subjected to Earthquakes**  
ÖZDEMİR Y. I., Ayvaz Y.  
Proceedings of the 4th International Congress on Advanced in Civil Engineering, İstanbul, Türkiye, 25 - 27 Eylül 2002, cilt.1, ss.329-338

## **Metrikler**

Yayın: 34

Atıf (WoS): 44

Atıf (Scopus): 41

H-İndeks (WoS): 3

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## **Akademi Dışı Deneyim**

KARADENİZ TEKNİK ÜNİVERSİTESİ

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Ekol İnşaat