

## Assoc. Prof. FUAT OKAY

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-9916-179X

Publons / Web Of Science ResearcherID: F-6389-2018

Yoksis Researcher ID: 104040

### Education Information

Doctorate, Bogazici University, Institute Of Science, İnşaat Mühendisliği (Dr), Turkey 1989 - 1997

Postgraduate, Bogazici University, Institute Of Science, İnşaat Mühendisliği (YI) (Tezli), Turkey 1986 - 1989

Undergraduate, Bogazici University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 1980 - 1986

### Foreign Languages

English, C1 Advanced

### Research Areas

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

### Academic Titles / Tasks

Research Assistant, Bogazici University, Faculty Of Engineering, Department Of Civil Engineering, 1988 - 1996

### Academic and Administrative Experience

Kocaeli Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2005 - 2010

Kocaeli Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2003 - 2004

### Courses

Mühendislik Matematiği, Undergraduate, 2022 - 2023

Elemanların Plastik Davranışı, Undergraduate, 2023 - 2024

Yapı Statiği, Undergraduate, 2022 - 2023

Statik - Mukavemet, Undergraduate, 2023 - 2024

Cisimlerin Mukavemeti II, Undergraduate, 2023 - 2024

Mechanics of Materials I, Undergraduate, 2022 - 2023

## Advising Theses

- OKAY F., Değişken Kesitli Kolonların Elastik Burkulma Yüklerinin Kuvvet Serileri Yöntemiyle Belirlenmesi, Postgraduate, A.Polat(Student), 2018
- OKAY F., Yakın Saha Kaynaklı Deprem Kayıtlarının Yüksek Yapıların Davranışına Etkisi, Doctorate, S.Engin(Student), 2014
- OKAY F., Betonarme Çerçevesinin Farklı Histeretik Yöntemler Kullanarak Çözümlemesi, Postgraduate, M.Taşkın(Student), 2013
- OKAY F., Bina Performans Değerlendirmesinde Kapasiteye Bağlı ve İstatistiksel Yöntemlerin Karşılaştırılması, Postgraduate, Ö.Faruk(Student), 2009
- OKAY F., Endüstriyel Yapı Tasarımında H Profiller ile Ondulin Gövdeli Profillerin Karşılaştırılması, Postgraduate, H.G. (Student), 2007
- OKAY F., Çelik Lif ile Güçlendirilmiş Betonarme Kirişlerin Burulma Davranışı, Postgraduate, S.Engin(Student), 2005
- OKAY F., Yapısal Kontrol Sistemleri, Postgraduate, M.Özgür(Student), 2003
- OKAY F., A FORTRAN Program on Moment Distribution, Postgraduate, T.Rızza(Student), 1999
- OKAY F., Economical Advantages of Using Fly-Ash in the Production of High Strength Concrete, Postgraduate, Q.Mohammad(Student), 1999
- OKAY F., Checking N-Storey Building Under Dynamic Loading bu Using a BASIC Program, Postgraduate, Y.Gövsa(Student), 1999
- OKAY F., Determination of the Reactions of a Fixedc Ended Double Arch by an Analytical Method, Postgraduate, M.Atwan(Student), 1997

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

- I. **Torsional behavior of steel fiber reinforced concrete beams**  
Okay F., Engin S.  
CONSTRUCTION AND BUILDING MATERIALS, vol.28, no.1, pp.269-275, 2012 (SCI-Expanded)
- II. **A new model in stress analysis: Quaternions**  
Okay F.  
SCIENTIFIC RESEARCH AND ESSAYS, vol.5, no.23, pp.3711-3718, 2010 (SCI-Expanded)
- III. **Determination of Buckling Loads and Mode Shapes of a Heavy Vertical Column under its Own Weight Using the Variational Iteration Method**  
Okay F., ATAY M. T., COŞKUN S. B.  
INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, vol.11, no.10, pp.851-857, 2010 (SCI-Expanded)
- IV. **A new quaternion: Unit vector division quaternion**  
Okay F.  
SCIENTIFIC RESEARCH AND ESSAYS, vol.5, no.15, pp.2085-2087, 2010 (SCI-Expanded)

## Books & Book Chapters

- I. **Analytical, Numerical and Experimental Studies on Stability of Three-Segment Compression Members with Pinned Ends**  
PINARBAŞI ÇUHADAROĞLU S., AKPINAR E., OKAY F., MEYDANLI ATALAY H., ÖZDEN Ş.  
in: Advances in Computational Stability Analysis, S.B.Coskun, Editor, Intech, Rijeka, pp.91-114, 2012
- II. **Analytical, Numerical and Experimental Studies on Stability of Three-Segment Compression Members with Pinned Ends,**

PINARBAŐI ÇUHADAROĐLU S., AKPINAR E., OKAY F., MEYDANLI ATALAY H., ÖZDEN Ő.

in: Advances in Computational Stability Analysis, S.B.Coskun, Editor, Intech, Rijeka, pp.91-114, 2012

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

### **I. Examination of Reliability of Linear Dynamic Analysis on Structures of Different Heights**

Okay F., Beyen K., Engin S.

International Earthquake Symposium, Kocaeli, Turkey, 17 - 19 August 2009, pp.159

## **Metrics**

Publication: 27

Citation (WoS): 42

Citation (Scopus): 60

H-Index (WoS): 2

H-Index (Scopus): 1

## **Non Academic Experience**

Nurol İnŐaat ve Ticaret A.Ő.