

Prof. KANAT BURAK BOZDOĞAN

Personal Information

Email: kbbozdogan@comu.edu.tr

Web: <https://avesis.comu.edu.tr/kbbozdogan>

Address: kbbozdogan@comu.edu.tr

Education Information

Doctorate, Ege University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, Turkey 2002 - 2010

Postgraduate, Ege University, Faculty Of Engineering, İnşaat Mühendisliği, Turkey 1999 - 2002

Research Areas

Civil Engineering, Mechanical, Structural Mechanics, Building Dynamics, Building Stability, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2016 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Practical Method for Determining Dynamic Characteristics of Buildings Under the Effect of Foundation Rotations**
BOZDOĞAN K. B., Keskin E., Ozturk D.
International Journal of Structural Stability and Dynamics, vol.24, no.4, 2024 (SCI-Expanded)
- II. **A Method for Determination of Moment Contribution Ratio under Foundation Rotation in Shear Wall-Frame Systems**
BOZDOĞAN K. B., Keskin E.
Buildings, vol.14, no.2, 2024 (SCI-Expanded)
- III. **Static, Dynamic and Stability Analysis of Tall Buildings by the Transfer Matrix Method Using Replacement Timoshenko Beam**
Cruz M. C. P., BOZDOĞAN K. B.
Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2024 (SCI-Expanded)
- IV. **A simplified model proposal for non-linear analysis of buildings**
Halimi A. R., BOZDOĞAN K. B.
Earthquake and Structures, vol.24, no.5, pp.353-364, 2023 (SCI-Expanded)
- V. **CALCULATING THE FUNDAMENTAL NATURAL FREQUENCY OF RETAINING WALLS, INCLUDING SHEAR-DEFORMATION EFFECT**
BOZDOĞAN K. B., Mahmudi M.
ACTA GEOTECHNICA SLOVENICA, vol.19, no.1, pp.77-87, 2022 (SCI-Expanded)
- VI. **Application of differential transformation method for free vibration analysis of wind turbine**
BOZDOĞAN K. B., Maleki F. K.
WIND AND STRUCTURES, vol.32, no.1, pp.11-17, 2021 (SCI-Expanded)

- VII. **An approach for dynamic analysis of steel plate shear wall systems**
Gungor Y., BOZDOĞAN K. B.
GRADEVINAR, vol.73, no.12, pp.1195-1207, 2021 (SCI-Expanded)
- VIII. **A simplified method for free vibration analysis of wall-frames considering soil structure interaction**
Kera D., BOZDOĞAN K. B., KESKİN E.
STRUCTURAL ENGINEERING AND MECHANICS, vol.77, no.1, pp.37-46, 2021 (SCI-Expanded)
- IX. **Determination of the Dynamic Characteristics of Frame Structures with Non-uniform Shear Stiffness**
ÖZTÜRK D., BOZDOĞAN K. B.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, vol.44, no.1, pp.37-47, 2020 (SCI-Expanded)
- X. **A method for dynamic analysis of frame-hinged shear wall structures**
BOZDOĞAN K. B., ÖZTÜRK D.
EARTHQUAKES AND STRUCTURES, vol.11, no.1, pp.45-61, 2016 (SCI-Expanded)
- XI. **Lateral stability analysis of multistory buildings using the differential transform method**
Aydin S., Bozdogan K. B.
STRUCTURAL ENGINEERING AND MECHANICS, vol.57, no.5, pp.861-876, 2016 (SCI-Expanded)
- XII. **Free Vibration Analysis of the Tube-in-Tube Tall Buildings with the Differential Transform Method**
Bozdogan K. B., ÖZTÜRK D.
ADVANCES IN STRUCTURAL ENGINEERING, vol.17, no.9, pp.1271-1279, 2014 (SCI-Expanded)
- XIII. **Free Vibration Analysis of Asymmetric-Plan Shear Wall and Core Buildings Using One-dimensional Finite Element**
Bozdogan K. B.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.38, no.5, pp.1041-1045, 2013 (SCI-Expanded)
- XIV. **Free vibration analysis of asymmetric shear wall-frame buildings using modified finite element-transfer matrix method**
Bozdogan K. B.
STRUCTURAL ENGINEERING AND MECHANICS, vol.46, no.1, pp.1-17, 2013 (SCI-Expanded)
- XV. **Modified finite element-transfer matrix method for the static analysis of structures**
ÖZTÜRK D., Bozdogan K. B., NUHOĞLU A.
STRUCTURAL ENGINEERING AND MECHANICS, vol.43, no.6, pp.761-769, 2012 (SCI-Expanded)
- XVI. **Differential quadrature method for free vibration analysis of coupled shear walls**
Bozdogan K. B.
STRUCTURAL ENGINEERING AND MECHANICS, vol.41, no.1, pp.67-81, 2012 (SCI-Expanded)
- XVII. **The effect of foundation elasticity on dynamic behaviour of buildings**
Bozdogan K. B.
GRADEVINAR, vol.63, no.4, pp.335-340, 2011 (SCI-Expanded)
- XVIII. **A method for lateral static and dynamic analyses of wall-frame buildings using one dimensional finite element**
Bozdogan K. B.
SCIENTIFIC RESEARCH AND ESSAYS, vol.6, no.3, pp.616-626, 2011 (SCI-Expanded)
- XIX. **An approximate method for lateral stability analysis of wall-frame buildings including shear deformations of walls**
Bozdogan K. B., ÖZTÜRK D.
Sadhana - Academy Proceedings in Engineering Sciences, vol.35, no.3, pp.241-253, 2010 (SCI-Expanded)
- XX. **Vibration analysis of asymmetric-plan frame buildings using transfer matrix method**
Bozdogan K. B., ÖZTÜRK D.
Mathematical and Computational Applications, vol.15, no.2, pp.279-288, 2010 (SCI-Expanded)
- XXI. **Vibration analysis of asymmetric shear wall and Thin walled open section structures using transfer matrix method**
Bozdogan K. B., ÖZTÜRK D.
Structural Engineering and Mechanics, vol.33, no.1, pp.95-107, 2009 (SCI-Expanded)

- XXII. **An approximate method for static and dynamic analyses of symmetric wall-frame buildings**
Bozdogan K. B.
Structural Design of Tall and Special Buildings, vol.18, no.3, pp.279-290, 2009 (SCI-Expanded)
- XXIII. **A method for static and dynamic analyses of stiffened multi-bay coupled shear walls**
Bozdogan K. B., ÖZTÜRK D.
Structural Engineering and Mechanics, vol.28, no.4, pp.479-489, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Hasar Görebilirliğin Hakim Periyoda Bağlı Belirlenmesi İçin Bir Yaklaşım: Çanakkale İl Merkezi Örneği**
Bozdoğan K. B., Aktan S.
Journal of Innovations in Civil Engineering and Technology, vol.6, no.1, pp.13-27, 2024 (Peer-Reviewed Journal)
- II. **Determination of the Average Shear Velocity with Different Methods and Evaluation of Edirne Province**
KESKİN E., BOZDOĞAN K. B.
Black Sea Journal of Engineering and Science, vol.6, no.3, pp.155-164, 2023 (Peer-Reviewed Journal)
- III. **Effects of Soil-Structure Interaction on Seismic Design Parameters of Reinforced Concrete Buildings Betonarme Binalarda Zemin-Yapı Etkileşiminin Sismik Tasarım Parametrelerine Etkileri**
ÖZGÜR M., BOZDOĞAN K. B.
El-Cezeri Journal of Science and Engineering, vol.9, no.2, pp.507-521, 2022 (Scopus)
- IV. **Free Vibration Analysis of Frame Systems with Soil Structure Interaction**
Kara D., BOZDOĞAN K. B., KESKİN E.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGİSİ, vol.23, no.4, pp.1347-1355, 2020 (ESCI)
- V. **Determination of Dynamic Characteristics of Tower Type Structures: The Case of Kırklareli Hizirbey Mosque Minaret**
KILIÇ İ., BOZDOĞAN K. B., Aydın S., Gök S. G., Gundogan S.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGİSİ, vol.23, no.1, pp.19-26, 2020 (ESCI)
- VI. **Yalın ve Lifli Polimer Sargılı Betonarme Kirişlerin Eğilme Davranışlarının Sonlu Eleman Modellemesi**
KÖKSAL H. O., AKTAN S., BOZDOĞAN K. B.
ULUDAĞ ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ DERGİSİ, vol.24, no.3, pp.255-272, 2019 (Peer-Reviewed Journal)
- VII. **2007 ve 2018 DEPREM YÖNETMELİKLERİNİN KIRKLARELİ İLİ ÖZELİNDE DEĞERLENDİRİLMESİ**
KESKİN E., BOZDOĞAN K. B.
Kırklareli Üniversitesi Mühendislik ve Fen Bilimleri Dergisi, vol.4, no.1, pp.74-90, 2018 (Peer-Reviewed Journal)
- VIII. **A Method for Determination of the Fundamental Period of Layered Soil Profiles**
ÖZTÜRK D., BOZDOĞAN K. B.
JOURNAL OF APPLIED AND COMPUTATIONAL MECHANICS, vol.3, no.4, pp.267-273, 2017 (ESCI)
- IX. **ELASTİK ÖTESİ SPEKTRUM KULLANILARAK YAPILARIN DOĞRUSAL OLMAYAN ANALİZİ**
ÖZTÜRK D., BOZDOĞAN K. B.
Süleyman Demirel Üniversitesi Uluslararası Teknolojik Bilimler Dergisi, 2013 (Peer-Reviewed Journal)
- X. **Çok katlı yapıların periyotlarının dinamik matris yöntemi ile tayini**
BOZDOĞAN K. B., ÖZTÜRK D.
Fırat Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, 2005 (Peer-Reviewed Journal)
- XI. **PERDE ÇERÇEVELERDEN OLUŞAN YAPILARIN SÜREKLİ SİSTEM MODELİNE GÖRE PERİYOTLARININ TAYİNİ**
BOZDOĞAN K. B., kaya e.
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, 2004 (Peer-Reviewed Journal)
- XII. **ELASTİK ZEMİNE OTURAN KİRİŞLERİN TAŞIMA MATRİSİ YÖNTEMİ İLE BİRİNCİ VE İKİNCİ MERTEBE STATİK VE STABİLİTE ANALİZİ**

BOZDOĞAN K. B., SEZER A., aklık p.

Selçuk Üniversitesi Mühendislik, Bilim Ve Teknoloji Dergisi, 2004 (Peer-Reviewed Journal)

XIII. Taşıyıcı Sistemi Çerçeveselardan Oluşan Yapıların Taşıma Matrisi ve Dinamik Matris Yöntemleriyle Birinci ve İkinci Mertebe Dinamik Analizi

BOZDOĞAN K. B., kaya e.

Selçuk Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, 2003 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. A Hand Method for Assessment of Maximum IDR and Displacement of RC Buildings

BOZDOĞAN K. B., Ozturk D.

2nd International Conference on Innovative Solutions in Hydropower Engineering and Civil Engineering, HECE 2022, Hangzhou, China, 25 - 27 September 2022, vol.235 LNCE, pp.9-29

II. Transfer matrix method in structural mechanics

BOZDOĞAN K. B.

13th National Congress Theoretical and Applied Mechanics Institute of Mechanics – Bulgarian Academy of Sciences 6th – 10th September 2017 Sofia, Bulgaria, 6 - 10 September 2017

III. Free Vibration Analysis of Asymmetric Wall Frame Systems by Recursive Differentiation Method

ÖZTÜRK D., BOZDOĞAN K. B.

INTERNATIONAL CONFERENCE PROGRAMME ON CIVIL ENGINEERING DESIGN AND CONSTRUCTION, 15 - 17 September 2016

IV. FREE VIBRATION ANALYSIS OF A SHEAR TORSION BEAM

ÖZTÜRK D., BOZDOĞAN K. B.

INTERNATIONAL CONFERENCE PROGRAMME ON CIVIL ENGINEERING DESIGN AND CONSTRUCTION, 15 - 17 September 2016

Supported Projects

KÖKSAL H. O., AKTAN S., BOZDOĞAN K. B., ÖZGÜR M., Project Supported by Higher Education Institutions, Beton Elastisite Modülü ve Poisson Oranı Değerlerinin Tayini ve Güçlendirilmiş Kirişlerde Performans Değerlendirmesi, 2016 - 2019

KÖKSAL H. O., BOZDOĞAN K. B., AKTAN S., Project Supported by Higher Education Institutions, Betonarme Kirişler ve Yığma Duvarlarda Sayısal Modelleme, 2016 - 2018

Metrics

Publication: 43

Citation (WoS): 143

Citation (Scopus): 158

H-Index (WoS): 7

H-Index (Scopus): 7

Non Academic Experience

Ege Üniveristesi