

# Prof. BAKİ ÖZTÜRK

## Personal Information

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## International Researcher IDs

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ScopusID: 7006498404

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## Education Information

Doctorate, Purdue University, Faculty of Engineering, Department of Civil Engineering, United States Of America 1997 - 2003

Postgraduate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 1994 - 1997

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 1990 - 1994

## Foreign Languages

German, B2 Upper Intermediate

English, C1 Advanced

## Research Areas

Civil Engineering, Structure, Structural Engineering, Earthquake Engineering, Engineering and Technology

## Academic Titles / Tasks

Professor, Hacettepe University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2023 - Continues

Associate Professor, Hacettepe University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2013 - 2023

Associate Professor, Niğde Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2011 - 2013

Assistant Professor, Niğde Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2004 - 2011

Lecturer PhD, Niğde Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2003 - 2004

Research Assistant, Niğde Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 1996 - 2003

## Academic and Administrative Experience

Hacettepe Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2013 - 2016

## Advising Theses

- Öztürk B., Aydın E., Rehabilitation of Building Structures with Soft Story Irregularity via Optimal Viscous Damper Distribution, Postgraduate, A.KÖROĞLU(Student), Continues
- Nazri F. M., Öztürk B., Evaluation of the Effects of Skybridge Location between Coupled Buildings Under Seismic Excitation, Postgraduate, A.Housam(Student), 2020
- ÖZTÜRK B., Ecemiş fay hattında meydana gelmiş depremlere ait yer hareketi kayıtlarının tek serbestlik dereceli sistemlerin sismik davranışına etkisinin incelenmesi, Postgraduate, E.GÜMÜŞ(Student), 2015
- ÖZTÜRK B., Deprem bölgelerindeki sanayi tipi prefabrik yapıların sismik kapasitelerinin değerlendirilmesi için hasar olasılık eğrilerinin oluşturulması, Postgraduate, H.EREN(Student), 2013
- ÖZTÜRK B., İtme analizinin Türkiye'deki prefabrik yapıların sismik değerlendirilmesinde uygulanması, Postgraduate, C.YILDIZ(Student), 2011
- ÖZTÜRK B., Türkiye'de mevcut şartnamelere göre tasarlanmış prefabrik yapıların sismik davranışının farklı analiz yöntemleri kullanılarak incelenmesi, Postgraduate, F.DEMİRALAN(Student), 2009
- ÖZTÜRK B., Türkiye'de mevcut şartnamelere göre tasarlanmış prefabrik yapıların kapasite spektrumu metodu kullanılarak depremlerdeki hasar risklerinin incelenmesi, Postgraduate, M.MELİH(Student), 2009

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

- I. **Quantitative evaluation of the damage to RC buildings caused by the 2023 southeast Turkey earthquake sequence**  
Pujol S., Bedirhanoglu I., Donmez C., Dowgala J. D., ERYILMAZ YILDIRIM M., Klaboe K., Koroglu F. B., Lequesne R. D., ÖZTÜRK B., Pledger L., et al.  
Earthquake Spectra, vol.40, no.1, pp.505-530, 2024 (SCI-Expanded)
- II. **Scaling Method Application for Seismic Design along the Central Anatolian Fault Zone**  
Gumus E., ÖZTÜRK B., Nazri F. M.  
ADVANCES IN CIVIL ENGINEERING, vol.2022, 2022 (SCI-Expanded)
- III. **On the Efficacy of a Novel Optimized Tuned Mass Damper for Minimizing Dynamic Responses of Cantilever Beams**  
ÖZTÜRK B., Cetin H., Dutkiewicz M., Aydın E., Farsangi E. N.  
APPLIED SCIENCES-BASEL, vol.12, no.15, 2022 (SCI-Expanded)
- IV. **Optimum vertical location and design of multiple tuned mass dampers under seismic excitations**  
Öztürk B., Cetin H., Aydın E.  
STRUCTURES, vol.41, pp.1141-1163, 2022 (SCI-Expanded)
- V. **Optimization of Sky-Bridge location at coupled high-rise buildings considering seismic vulnerability functions**  
Arada A. H., Öztürk B., Kassem M. M., Nazri F. M., Tan C. G.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.82, no.3, pp.385-400, 2022 (SCI-Expanded)
- VI. **Development of a uniform seismic vulnerability index framework for reinforced concrete building typology**  
Kassem M. M., Nazri F. M., Farsangi E. N., ÖZTÜRK B.  
JOURNAL OF BUILDING ENGINEERING, vol.47, 2022 (SCI-Expanded)
- VII. **Improved Vulnerability Index Methodology to Quantify Seismic Risk and Loss Assessment in Reinforced Concrete Buildings**  
Kassem M. M., Nazri F. M., Farsangi E. N., ÖZTÜRK B.  
JOURNAL OF EARTHQUAKE ENGINEERING, vol.26, no.12, pp.6172-6207, 2022 (SCI-Expanded)
- VIII. **Influence of soil-structure interaction (SSI) on optimal design of passive damping devices**  
Aydın E., ÖZTÜRK B., Bogdanovic A., Noroozinejad Farsangi E.  
Structures, vol.28, pp.847-862, 2020 (SCI-Expanded)
- IX. **Optimization of elastic spring supports for cantilever beams**

- Aydin E., Dutkiewicz M., ÖZTÜRK B., Sonmez M.  
STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION, vol.62, no.1, pp.55-81, 2020 (SCI-Expanded)
- X. **Analysis of efficiency of passive dampers in multistorey buildings**  
AYDIN E., ÖZTÜRK B., DUTKIEWICZ M.  
JOURNAL OF SOUND AND VIBRATION, vol.439, pp.17-28, 2019 (SCI-Expanded)
- XI. **Seismic behavior of two monumental buildings in historical Cappadocia region of Turkey**  
ÖZTÜRK B.  
BULLETIN OF EARTHQUAKE ENGINEERING, vol.15, no.7, pp.3103-3123, 2017 (SCI-Expanded)
- XII. **Experiments of tuned liquid damper (TLD) on the reduced shearframe model under harmonic loads**  
AYDIN E., ÖZTÜRK B., Dutkiewicz M., ÇETİN H., Okkay O., Ohancan U., Şirin Y. E.  
EPJ WEB OF CONFERENCES, vol.142, no.02001, pp.1-5, 2017 (SCI-Expanded)
- XIII. **Exploring the effects of tuned mass dampers on the seismic performance of structures with nonlinear base isolation systems**  
Hessabi R. M., Mercan O., ÖZTÜRK B.  
EARTHQUAKES AND STRUCTURES, vol.12, no.3, pp.285-296, 2017 (SCI-Expanded)
- XIV. **A European Association for the Control of Structures joint perspective. Recent studies in civil structural control across Europe**  
Basu B., Bursi O. S., Casciati F., Casciati S., Del Grosso A. E., Domaneschi M., Faravelli L., Holnicki-Szulc J., Irschik H., Krommer M., et al.  
STRUCTURAL CONTROL & HEALTH MONITORING, vol.21, pp.1414-1436, 2014 (SCI-Expanded)
- XV. **Analytical Solution for Free Vibration Analysis of Beam on Elastic Foundation with Different Support Conditions**  
ÖZTÜRK B., COŞKUN S. B.  
MATHEMATICAL PROBLEMS IN ENGINEERING, 2013 (SCI-Expanded)
- XVI. **The Homotopy Perturbation Method for free vibration analysis of beam on elastic foundation**  
Öztürk B., Coşkun S. B.  
Structural Engineering And Mechanics, vol.37, pp.415-425, 2011 (SCI-Expanded)
- XVII. **Vibration analysis of plates with curvilinear quadrilateral domains by discrete singular convolution method**  
CİVALEK Ö., Ozturk B.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.36, no.3, pp.279-299, 2010 (SCI-Expanded)
- XVIII. **Homotopy perturbation method for free vibration analysis of beams on elastic foundation**  
ÖZTÜRK B., COŞKUN S. B., Koç M. Z., ATAY M. T.  
IOP Conference Series: Materials Science and Engineering, vol.10, pp.1-7, 2010 (SCI-Expanded)
- XIX. **Application of numerical analysis for investigation of relationship between slump values and other rheological properties of fresh concrete**  
Bilgil A., Öztürk B., Şamandar A.  
SCIENTIFIC RESEARCH AND ESSAYS, vol.5, no.10, pp.1111-1121, 2010 (SCI-Expanded)
- XX. **Free vibration analysis of tapered beam-column with pinned ends embedded in Winkler-Pasternak elastic foundation**  
CİVALEK Ö., Ozturk B.  
GEOMECHANICS AND ENGINEERING, vol.2, no.1, pp.45-56, 2010 (SCI-Expanded)
- XXI. **Free Vibration Analysis of Beam on Elastic Foundation by the Variational Iteration Method**  
Ozturk B.  
INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, vol.10, no.10, pp.1255-1262, 2009 (SCI-Expanded)
- XXII. **Differential quadrature method for frequency analysis of membranes having irregular domains using an eight-node curvilinear element**  
ERSOY H., Ozpolat L., CİVALEK Ö., Ozturk B.  
SMART STRUCTURES AND SYSTEMS, vol.5, no.5, pp.587-590, 2009 (SCI-Expanded)
- XXIII. **Discrete singular convolution algorithm for non-linear transient response of circular plates resting**

- on Winkler-Pasternak elastic foundations with different types of dynamic loading**  
CİVALEK Ö., Ozturk B.  
INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, vol.16, no.4, pp.259-268, 2009 (SCI-Expanded)
- XXIV. **Application of destruction specific energy for characterisation of concrete paving blocks**  
ATICI Ü., ERSOY A., ÖZTÜRK B.  
MAGAZINE OF CONCRETE RESEARCH, vol.61, no.3, pp.193-199, 2009 (SCI-Expanded)
- XXV. **Discrete singular convolution method for free vibration analysis of tapered rectangular plate**  
CİVALEK Ö., ÖZTÜRK B.  
Advances In Vibration Engineering, vol.7, pp.261-273, 2008 (SCI-Expanded)
- XXVI. **Nonlinear Transient Dynamic Response of Clamped Rectangular Plates on Two Parameter Foundations by the Algorithm of the Singular Convolution**  
CİVALEK Ö., ÖZTÜRK B., YAVAŞ A.  
The International Journal of Science & Technology, vol.2, pp.165-177, 2007 (SCI-Expanded)
- XXVII. **A numerical approach to determine viscosity-dependent segregation in fresh concrete**  
BİLGİL A., Ozturk B., BİLGİL H.  
APPLIED MATHEMATICS AND COMPUTATION, vol.162, no.1, pp.225-241, 2005 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Editorial: New Trends and Developments on Structural Control & Health Monitoring**  
Aydin E., ÖZTÜRK B., Noroozinejad Farsangi E., Bogdanovic A.  
Frontiers in Built Environment, vol.6, 2020 (ESCI)
- II. **Optimal Design and Distribution of Viscous Dampers for Shear Building Structures Under Seismic Excitations**  
ÇETİN H., AYDIN E., ÖZTÜRK B.  
Frontiers in Built Environment, vol.5, 2019 (Scopus)
- III. **Optimal damper allocation in shear buildings with tuned mass dampers and viscous dampers**  
ÇETİN H., AYDIN E., ÖZTÜRK B.  
International Journal of Earthquake and Impact Engineering, vol.2, pp.89, 2017 (Peer-Reviewed Journal)
- IV. **Optimal Damper Placement to Prevent Pounding of Adjacent Structures Considering A Target Damping Ratio and Relative Displacement,**  
AYDIN E., ÖZTÜRK B., DİKMEN M.  
Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.6, no.2, pp.581-592, 2017 (Peer-Reviewed Journal)
- V. **BİTİŞİK NİZAM YAPILARIN ÇARPIŞMASINI ÖNLEMELİK İÇİN BİRHEDEF SÖNÜM ORANI VE RÖLATİF DEPLASMAN DÜŞÜNÜLEREK OPTİMUM SÖNÜMLEYİCİ YERLEŞİMİ**  
AYDIN E., ÖZTÜRK B., DİKMEN M.  
ENGINEERING SCIENCES, vol.6, no.2, pp.581-592, 2017 (Peer-Reviewed Journal)
- VI. **Deprem Sonrası Hızlı Hasar Tespitinde Bulanık Tabanlı Yapay Zeka Sistemlerinin Başarısı**  
Öztürk B., Yavaş A., Baltacıoğlu A. K., Cıvlek Ö.  
Yapı Dünyası, vol.14, no.173, pp.24-28, 2010 (Peer-Reviewed Journal)
- VII. **Yapıların Deprem Hasarlarının Hızlı Tespitinde Bulanık Kural Tabanlı Uzman Sistemlerin Kullanımı**  
BALTACIOĞLU A. K., YAVAŞ A., CİVALEK Ö., ÖZTÜRK B., AKGÖZ B.  
Balıkesir Üniversitesi Fen Bilimler Enstitüsü Dergisi, vol.12, pp.65-74, 2010 (Peer-Reviewed Journal)
- VIII. **IS ARTIFICIAL NEURAL NETWORK SUITABLE FOR DAMAGE LEVEL DETERMINATION OF RC STRUCTURES**  
BALTACIOĞLU A., ÖZTÜRK B., CİVALEK Ö., AKGÖZ B.  
International Journal of Engineering and Applied Sciences, vol.2, pp.71-81, 2010 (Peer-Reviewed Journal)
- IX. **Yapay zeka yöntemleri deprem hasarlarının tespitinde kullanılabilir mi?**  
ÖZTÜRK B., YAVAŞ A., BALTACIOĞLU A. K., CİVALEK Ö.  
Dünya İnşaat Dergisi, vol.26, pp.85-87, 2010 (Peer-Reviewed Journal)

- X. **Deprem Hasarlarının Mevcut Çatlaklara Dayalı Olarak Tespitinde Uzman Sistemlerin Kullanımı**  
ÖZTÜRK B., AKGÖZ B., BALTACIOĞLU A. K., DEMİR Ç., CİVALEK Ö.  
İMO Antalya Bülten, vol.18, pp.18-22, 2010 (Peer-Reviewed Journal)
- XI. **Betonarme Yapıların Deprem Hasarlarının Hızlı Tespitinde Yapay Zeka Sistemlerinin Kullanımı**  
BALTACIOĞLU A. K., ÖZTÜRK B., YAVAŞ A., KORKMAZ A., CİVALEK Ö., AKGÖZ B.  
Yapı Dünyası, vol.14, pp.50-58, 2010 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Improvement of Building Resilience by Viscous Dampers**  
AYDIN E., Farsangi E. N., ÖZTÜRK B., BOGDANOVIC A., Dutkiewicz M.  
in: Resilient Structures and Infrastructure, Noroozinejad Farsangi E., Takewaki I., Yang T., Astaneh-Asl A., Gardoni P., Editor, Springer, pp.105-127, 2019
- II. **Reusability of Ashes for the Building Sector to Strengthen the Sustainability of Waste Management**  
DOĞAN SAĞLAMTİMUR N., BİLGİL A., ÖZTÜRK B.  
in: Handbook of Research on Supply Chain Management for Sustainable Development, , Editor, IGI Global Publishing, pp.265-281, 2018
- III. **SİSMİK BÖLGELEME ÇALIŞMALARI: DÜNYA'DAN VE TÜRKİYE'DEN ÖRNEKLER**  
ÖZTÜRK B.  
in: Deprem Gerçeği ve Kentleşme, , Editor, Kocaeli Büyükşehir Belediyesi, 2015
- IV. **Elastic Stability Analysis of Euler Columns Using Analytical Approximate Techniques**  
COŞKUN S. B., ÖZTÜRK B.  
in: Advances in Computational Stability Analysis, , Editor, InTech, 2012
- V. **Transverse Vibration Analysis of Euler-Bernoulli Beams Using Analytical Approximate Techniques**  
COŞKUN S. B., ATAY M. T., ÖZTÜRK B.  
in: Advances in Vibration Analysis Research, , Editor, InTech, 2011

## Refereed Congress / Symposium Publications in Proceedings

- I. **An Experimental Study on the Effects of Different Pendulum Damper Designs on Structural Behavior**  
Aydın E., Öztürk B., Kebeli Y. E.  
17th World Conference on Seismic Isolation (17WCSI), Turin, Italy, 11 - 16 September 2022, pp.1-12
- II. **An Experimental Study on Strengthening Structures with Elastic Springs**  
Aydın E., Öztürk B., Çetin H.  
3rd European Conference on Earthquake Engineering and Seismology, Bucuresti, Romania, 4 - 09 September 2022, pp.1-8
- III. **Effect of Tuned Mass Dampers on Displacement Response Behavior of Structures Under Harmonic Loading**  
ÖZTÜRK B., AYDIN E., Çetin H.  
7th European Conference on Structural Control (EACS 2022), Varşova, Poland, 11 July 2022
- IV. **An Experimental Study for the Damping of Earthquake Effects in Buildings by Magnetic Forces**  
ÖZTÜRK B., AYDIN E., Çetin H.  
8th World Conference on Structural Control and Monitoring (8WCSCM), Orlando, U.S.A., United States Of America, 06 June 2022
- V. **Design of an Optimum Tuned Mass Damper for Cantilever Beam Response Reduction**  
Çetin H., ÖZTÜRK B., Dutkiewicz M., AYDIN E.  
16th International Conference "Dynamical Systems - Theory and Applications" (DSTA 2021), Lodz, Poland, Lodz, Poland, 06 December 2021
- VI. **Optimum Parameters and Location of Multiple Tuned Mass Dampers Under Seismic Excitation**

Çetin H., AYDIN E., ÖZTÜRK B.

17th World Conference on Earthquake Engineering (17WCEE) , Sendai, Japan, Sendai, Japan, 27 September - 02 October 2021

- VII. **Optimal damper distributions in shear frames considering soil conditions**  
Aydin E., ÖZTÜRK B., SİVRİKAYA O.  
11th International Conference on Structural Dynamics, EURODYN 2020, Virtual, Athens, Greece, 23 - 26 November 2020, vol.1, pp.1459-1474
- VIII. **Optimal viscous damper placement to prevent pounding of adjacent buildings**  
Cetin H., ÖZTÜRK B., Aydin E.  
11th International Conference on Structural Dynamics, EURODYN 2020, Virtual, Athens, Greece, 23 - 26 November 2020, vol.2, pp.3735-3743
- IX. **Stability of Nanobeams Via Homotopy Perturbation Method**  
COŞKUN S. B., ÖZTÜRK B.  
5th International Conference on Advances in Mechanical Engineering (ICAME 2019), 17 - 19 December 2019
- X. **Analysis of Longitudinal Vibration of Nanorods Via Homotopy Perturbation Method**  
COŞKUN S. B., ÖZTÜRK B.  
5th International Conference on Advances in Mechanical Engineering (ICAME 2019), 17 - 19 December 2019
- XI. **Analysis of Nanobeam Vibration Using Homotopy Perturbation Method**  
COŞKUN S. B., ÖZTÜRK B.  
5th International Conference on Advances in Mechanical Engineering (ICAME 2019), 17 - 19 December 2019
- XII. **Optimum Tuned Mass Damper (TMD) Design for The Cantilever Beam Response Reduction**  
Çetin H., AYDIN E., ÖZTÜRK B.  
4th Polish Congress of Mechanics and 23rd International Conference on Computer Methods in Mechanics PCM-CMM-2019, 8 - 12 September 2019
- XIII. **Ayarlı Kütle Sönümleyicili ve Viskoz Sönümleyicili Yapılarda Karma Bir Pasif Kontrol Uygulaması**  
ÇETİN H., AYDIN E., ÖZTÜRK B.  
Yirminci Ulusal Mekanik Kongresi, Bursa, Turkey, 5 - 09 September 2017
- XIV. **Eğilme Rijitliği Üslü Değişen Kolonların Kritik Burkulma Yüklerinin Diferansiyel Dönüşüm Yöntemi ile Elde Edilmesi**  
COŞKUN S. B., Memiş S., ÖZTÜRK B.  
21.Ulusal Mekanik Kongresi, Niğde, Turkey, 2 - 06 September 2019
- XV. **Application of Viscous Fluid Dampers to Rehabilitate Structural Vibrations**  
AYDIN E., ÖZTÜRK B., CETIN H., TARIKULU M., SİNA GÜR F.  
2019 EMI International Conference, Lyon, France, 3 - 05 July 2019
- XVI. **Effects of Tuned Liquid Column Damper Properties on the Dynamic Response of Structures**  
AYDIN E., ÖZTÜRK B., BATI M., KAVAZ Y., KILINC B.  
2019 EMI International Conference, Lyon, France, 3 - 05 July 2019, pp.198
- XVII. **Viscous Damper Design Considering Soil-Structure Interaction**  
AYDIN E., BOGDANOVIC A., ÖZTÜRK B.  
36th General Assembly of the European Seismological Commission (ESC), Valletta, Malta, 2 - 07 September 2018, pp.456
- XVIII. **Strengthening Plane Frames with Steel Plates**  
AYDIN E., ÖZTÜRK B., ÇETİN H., GASIR M.  
7th World Conference on Structural Control and Monitoring, Qingdao, China, 22 - 25 July 2018
- XIX. **Design of Viscous Dampers Based on Minimization of First Floor Interstorey Drift**  
ÇETİN H., AYDIN E., ÖZTÜRK B.  
7th World Conference on Structural Control and Monitoring, Qingdao, China, 22 - 25 July 2018
- XX. **Comparison of Optimal Damper Distributions in Shear Frames in terms of Soil Conditions**  
AYDIN E., SİVRİKAYA O., ÖZTÜRK B.  
7th World Conference on Structural Control and Monitoring, Qingdao, China, 22 - 25 July 2018
- XXI. **Experiments of Tuned Liquid Column Damper (TLCD) on the Reduced Shear Frames Under**

## Harmonic Loads

AYDIN E., ÖZTÜRK B., ÇETİN H., DUTKIEWICZ M., OKKAY O., OHANCAN U., ŞİRİN Y. E.

16th European Conference on Earthquake Engineering (16ECEE), Thessaloniki, Greece, 17 - 21 June 2018

- XXII. **Determination of Optimal Elastic Springs for Cantilever Beams Supported by Elastic Foundation**  
AYDIN E., ÖZTÜRK B., DUTKIEWICZ M.  
24th International Conference on Engineering Mechanics, Svratka, Czech Republic, 14 - 17 May 2018
- XXIII. **Control of vibrations of multistory buildings with use of passive dampers**  
AYDIN E., ÖZTÜRK B., DUTKIEWICZ M.  
14th International Conference DSTA 2017, Lodz, Poland, 11 - 14 December 2017
- XXIV. **Optimal Passive Control of Shear Buildings**  
AYDIN E., ÖZTÜRK B., Dutkiewicz M.  
Engineering Mechanics 2017, Svratka, Czech Republic, 15 - 18 May 2017, pp.98-101
- XXV. **Application of Viscous Dampers for Prevention of Pounding in Adjacent Reinforced Concrete Buildings**  
AYDIN E., ÖZTÜRK B., ÇETİN H., ŞİMŞEK T.  
16th World Conference on Earthquake Engineering, Santiago Chile, Chile, 9 - 13 January 2017
- XXVI. **Experiments of Tuned Liquid Damper (TLD) on the Reduced Shear Frame Model under Harmonic Loads**  
AYDIN E., ÖZTÜRK B., Dutkiewicz M., Çetin H., Okkay O., Ohancan U., Şirin Y. E.  
Experimental Fluid Mechanics (EFM) 2016 Conference, Czech Republic, 15 - 18 November 2016
- XXVII. **SARKAÇ TİPİ AYARLI KÜTLE SÖNÜMLEYİCİLERİN HARMONİK ETKİLER ALTINDAKİ DAVRANIŞI: DENEYSEL BİR ÇALIŞMA**  
AYDIN E., ÖZTÜRK B., GÖKDEMİR H., ÇETİN H.  
3. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı (3TDMK) , İzmir, Turkey, Turkey, 14 - 16 October 2015
- XXVIII. **Dynamic rehabilitation of mosque minarets by using a tuned mass damper TMD**  
AYDIN E., ÖZTÜRK B., ÇETİN H., TARIM F.  
3rd Conference on Smart Monitoring, Assessment and Rehabilitation of Structures (SMAR 2015), 14 - 18 September 2015
- XXIX. **Ayarlı Kütle Sönümleyicileri AKS ile Kontrol Edilen On Beş Katlı Yapı Modelinin Harmonik ve Sismik Performansının Araştırılması**  
ÇETİN H., AYDIN E., ÖZTÜRK B.  
8. Ulusal Deprem Mühendisliği Konferansı, Turkey, 15 - 20 May 2015
- XXX. **The evaluation of damage mechanism of unreinforced masonry buildings after Van (2011) and Elazig (2010) Earthquakes**  
Guney D., AYDIN E., ÖZTÜRK B.  
11th International Conference on Damage Assessment of Structures (DAMAS), Ghent, Belgium, 24 - 26 August 2015, vol.628
- XXXI. **Free Vibration Analysis of Variable Stiffness Beams Using Analytical Approximate Techniques**  
COŞKUN S. B., ÖZTÜRK B., ATAY M. T.  
11th International Congress on Advances in Civil Engineering, ACE 2014, Istanbul, Turkey, 21 - 25 October 2014
- XXXII. **The Effects of Tuned Mass Dampers on Seismic Performance of Structures with Nonlinear Base Isolators: A Parametric Study**  
HESSABI R., MERCAN O., ÖZTÜRK B.  
6th World Conference on Structural Control and Health Monitoring (6WCSCM) , Barcelona, 15 - 17 July 2014
- XXXIII. **Investigation of Behavior of Adjacent Planar Steel Frames Connected with Rigid Bars under Earthquake Effects**  
AYDIN E., ÖZTÜRK B., ŞAHİN E.  
6th World Conference on Structural Control and Health Monitoring (6WCSCM) , Barcelona, 15 - 17 July 2014
- XXXIV. **Adomian Decomposition Method for vibration of nonuniform Euler Beams on elastic foundation**  
COŞKUN S. B., ÖZTÜRK B., MUTMAN U.  
9th International Conference on Structural Dynamics (EURODYN), Porto, Portugal, 30 June - 02 July 2014,

pp.1935-1940

- XXXV. **Ayarlı Kütle Sönümleyicilerin Üç Katlı Yapı Modelinin Sismik ve Harmonik Davranışına Etkileri**  
ÇETİN H., AYDIN E., ÖZTÜRK B.  
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- XLVII. **Evaluation of Time Delay Margin for Actively Controlled Linear SDOF Systems under Seismic Excitation**  
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- LIV. **INVESTIGATION OF SEISMIC BEHAVIOR OF REINFORCED CONCRETE SHEARWALL BUILDING FRAMES SUBJECTED TO GROUND MOTIONS FROM THE 1999 TURKISH EARTHQUAKES**  
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İMO XIV. Teknik Kongre, İzmir, Turkey, 23 October 1997

## **Other Publications**

- I. **Current State of Art of The Role of Research Infrastructures on Performance Based Earthquake Engineering and Future Perspectives for Europe, International Workshop on Role of Research Infrastructures in Performance-Based Earthquake Engineering, 14th European Conference in Earthquake Engineering, Ohrid, Macedonia**

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- II. **Seismic risk assessment studies of prefabricated buildings located in highly seismic regions of Turkey, Turkish - Japanese Earthquake Workshop**

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## **Supported Projects**

Öztürk B., TUBITAK Project, Sismik Hasar Görebilirlik Endeksi Çerçevesinin Gelistirilmesi için Prensiplerin Belirlenmesi, 2019 - 2019

ÖZTÜRK B., GÜLDÜR B., Project Supported by Higher Education Institutions, İnşaat Mühendisliği Bölümü Yapı Mekaniği ve Yapı Malzemesi Laboratuvarları Makine-Teçhizat Alımı, 2016 - 2019

Güldür Erkal B., Öztürk B., TUBITAK Project, Lazer Tarayıcılarla Yapılarda Otomatik Yüzey Hasar Tespiti ve Yüzeysel Hasar Derecelerini Belgelendirilme Yazılımı, 2015 - 2017

Öztürk B., Project Supported by Higher Education Institutions, Ayarlı Kütle Sönümleyicileri (AKS) ile Kontrol Edilen On Beş Katlı Yapı Modelinin Harmonik ve Sismik Performansının Araştırılması, 2015 - 2015

ÖZTÜRK B., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Merkezi Araştırma Laboratuvar Kurulumu, 2010 - 2013

ÖZTÜRK B., World Bank Supported Project, Yeni Zelanda Depremi Sonrası Bölgesel Tespit ve Tahmin Projesi, 2011 - 2011

Civalek Ö., Öztürk B., Project Supported by Higher Education Institutions, Antalya İlindeki Betonarme Binaların Yapay Zeka Tekniğiyle Hızlı Hasar Görebilirlik Analizleri, 2009 - 2011

ÖZTÜRK B., World Bank Supported Project, Haiti Depremi Sonrası Bölgesel Hasar Tespit ve Tahmin Projesi, 2010 - 2010

## Activities in Scientific Journals

Frontiers in Built Environment, Special Issue Editor, 2022 - Continues

MATERIALS, Special Issue Editor, 2022 - Continues

ADVANCES IN CIVIL ENGINEERING, Special Issue Editor, 2021 - Continues

APPLIED SCIENCES-BASEL, Special Issue Editor, 2021 - Continues

Practice Periodical on Structural Design and Construction-ASCE, Assistant Editor/Section Editor, 2021 - Continues

The Open Construction and Building Technology Journal, Committee Member, 2019 - Continues

Frontiers in Built Environment, Committee Member, 2017 - Continues

Teknik Dergi, Publication Committee Member, 2014 - Continues

International Journal of Engineering and Applied Sciences, Committee Member, 2009 - Continues

Frontiers in Built Environment, Special Issue Editor, 2019 - 2020

International Journal of Earthquake and Impact Engineering, First Editor, 2017 - 2019

## Metrics

Publication: 111

Citation (WoS): 496

Citation (Scopus): 550

H-Index (WoS): 14

H-Index (Scopus): 15

## Awards

Öztürk B., Practice Periodical On Structural Design And Construction - Outstanding Reviewer For 2020, American Society Of Civil Engineers (Asce), May 2021

ÖZTÜRK B., Takuji Kobori Prize 2015, International Association for Structural Control and Monitoring (IASCM), July 2018

ÖZTÜRK B., Excellence in Teaching Award, Purdue University, Department of Mathematics, Amerika Birleşik Devletleri, November 2002