

## Asst. Prof. POLAT ÖZYİĞİT

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: L-5603-2015

ScopusID: 53878296800

Yoksis Researcher ID: 129658

### Education Information

Doctorate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (Dr), Turkey 2010 - 2015

Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (YI) (Tezli), Turkey 2007 - 2010

Undergraduate, Suleyman Demirel University, Mühendislik-Mimarlık Fakültesi, İnşaat Mühendisliği Pr. (İö), Turkey 2003 - 2007

### Dissertations

Doctorate, ENİNE KAYMA DEFORMASYONU İÇEREN HOMOJEN OLMAYAN ANİZOTROP ÇAPRAZ TABAKALI KESİK KONİ KABUKLARIN DEĞİŞİK BASINÇ YÜKLERİ ETKİSİ ALTINDA BURKULMA DAVRANIŞI, Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (Dr), 2015

Postgraduate, Homojen olmayan elastik küresel kabuğun termal burkulması, Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (YI) (Tezli), 2010

### Research Areas

Civil Engineering, Mechanical, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, İnşaat Mühendisliği, 2018 - Continues

Assistant Professor, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, İnşaat Mühendisliği, 2015 - 2018

Research Assistant, Suleyman Demirel University, Fen Bilimleri Enstitüsü, 2010 - 2015

Research Assistant, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, İnşaat Mühendisliği, 2009 - 2010

### Academic and Administrative Experience

Head of Department, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, İnşaat Mühendisliği, 2019 - Continues

Deputy Head of Department, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, İnşaat Mühendisliği, 2016 - 2019

## Courses

ÇUBUK SONLU ELEMENLAR, Doctorate, 2023 - 2024, 2021 - 2022, 2016 - 2017  
MÜHENDİSLİK MATEMATİĞİ I, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021  
ENGINEERING MATHEMATICS II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020  
YAPI STATİĞİ III, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017  
DİNAMİK, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2017 - 2018  
İLERİ MUKAVEMET, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2017 - 2018, 2016 - 2017  
STATIC, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016  
MÜHENDİSLİK MATEMATİĞİ VE SAYISAL YÖNTEMLER, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2016 - 2017  
BİTİRME ÖDEVİ, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
MÜHENDİSLİKTE SONLU ELEMENLAR METODU, Postgraduate, 2024 - 2025, 2019 - 2020, 2018 - 2019  
MÜHENDİSLİK MATEMATİĞİ I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021  
ELASTİSİTE TEORİSİ, Postgraduate, 2023 - 2024, 2018 - 2019, 2017 - 2018, 2015 - 2016  
YAPI STATİĞİ III, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017  
ENGINEERING MATHEMATICS II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020  
STATIC, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016  
DİNAMİK, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2017 - 2018  
BİTİRME ÖDEVİ, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
YAPI ELEMENLARI, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
ARAŞTIRMA PROJE, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
ARAŞTIRMA PROJE, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
YAPI STATİĞİ I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017  
YAPI STATİĞİ I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017  
YAPI STATİĞİ II, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017  
YAPI STATİĞİ II, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017  
YAPI ELEMENLARI, Undergraduate, 2018 - 2019  
MUKAVEMET II, Undergraduate, 2017 - 2018, 2015 - 2016  
MUKAVEMET I, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016  
MUKAVEMET II, Undergraduate, 2017 - 2018  
MUKAVEMET I, Undergraduate, 2017 - 2018, 2016 - 2017  
YAPI HASARLARI, Undergraduate, 2015 - 2016  
BETONARME YÜKSEK, Undergraduate, 2015 - 2016  
BETONARME YÜKSEK YAPILAR, Undergraduate, 2015 - 2016  
YAPI BİLGİSİ II, Undergraduate, 2015 - 2016  
BETONARME, Undergraduate, 2015 - 2016

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

- The effect of mixed boundary conditions on the stability behavior of heterogeneous orthotropic truncated conical shells**  
Sofiyev A. H., Huseynov S. E., Özyiğit P., Isayev F. G.  
MECCANICA, vol.50, no.8, pp.2153-2166, 2015 (SCI-Expanded)

- II. **Buckling of Shear Deformable Functionally Graded Orthotropic Cylindrical Shells under a Lateral Pressure**  
Sofiyev A. H., Deniz A., Mecitođlu Z., Özyiđit P., Pinarlık M.  
ACTA PHYSICA POLONICA A, vol.127, no.4, pp.907-909, 2015 (SCI-Expanded)
- III. **Vibration and stability of axially compressed truncated conical shells with functionally graded middle layer surrounded by elastic medium**  
Najafov A., Sofiyev A., Özyiđit P., Yücel K. T.  
JOURNAL OF VIBRATION AND CONTROL, vol.20, no.2, pp.303-320, 2014 (SCI-Expanded)
- IV. **Stability Analysis of Clamped Nonhomogeneous Shells on the Elastic Foundation**  
Sofiyev A. H., Deniz A., Özyiđit P., Pinarlık M.  
ACTA PHYSICA POLONICA A, vol.125, no.2, pp.459-461, 2014 (SCI-Expanded)
- V. **Effects of the Non-Homogeneity and Elastic Medium on the Critical Torsional Load of the Orthotropic Cylindrical Shell**  
Sofiyev A. H., Deniz A., Avcar M., Özyiđit P., Omurtag M. H.  
ACTA PHYSICA POLONICA A, vol.123, no.4, pp.728-730, 2013 (SCI-Expanded)
- VI. **THERMAL BUCKLING ANALYSIS OF NON-HOMOGENOUS SHALLOW SPHERICAL SHELLS**  
Sofiyev A., Özyiđit P.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.27, no.2, pp.397-405, 2012 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Vibration Analysis of Ceramic Cylindrical Panels Coated with Functional Gradient Materials**  
Sofiyev A., Mecitođlu Z., Özyiđit P., Taşkın M., Pınarlık M., Kaplan A. N.  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.18, pp.117-122, 2014 (Peer-Reviewed Journal)
- II. **The Free Vibration of Non Homogeneous Truncated Conical Shells on a Winkler Foundation**  
Sofiyev A., Avcar M., Özyiđit P., Adıgozel S.  
International Journal of Engineering and Applied Sciences, vol.1, no.1, pp.34-41, 2009 (Peer-Reviewed Journal)
- III. **The Buckling of Non Homogeneous Truncated Conical Shells Under a Lateral Pressure and Resting on a Winkler Foundation**  
Sofiyev A., Valiyev A., Özyiđit P.  
JOURNAL OF SOLID MECHANICS, vol.1, no.1, pp.14-21, 2009 (Scopus)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Çelik Tel İçeren Hafif Betonarme Plakların Mekanik Davranışlarının Araştırılması**  
Solak Y., Anadut H. O., Özyiđit P., Köksal F.  
14. Uluslararası Akademik Araştırmalar Kongresi (ICAR), Ankara, Turkey, 14 - 15 October 2024
- II. **Hafif Betondan Üretilmiş Küp Numunelerin Bazı Mekanik Özelliklerine Çelik Tel Narinliği ve Miktarının Etkisi**  
Solak Y., Anadut H. O., Özyiđit P., Köksal F.  
14. Uluslararası Akademik Araştırmalar Kongresi (ICAR), Ankara, Turkey, 14 - 15 October 2024
- III. **The effect of fineness of glass powder on some physical and mechanical properties of cement-based mortars**  
Şahin M., Özyiđit P.  
Cukurova 7th International Scientific Researches Conference, Adana, Turkey, 7 - 08 September 2021
- IV. **A comparative study on the physical properties of cementbased mortars**  
Şahin M., Özyiđit P.  
Cukurova 7th International Scientific Researches Conference, Adana, Turkey, 7 - 08 September 2021

- V. **The effect of silica fume and ground pumice on the physical properties of mortars containing glass powder**  
Şahin M., Özyiğit P.  
International Aegean Symposium on Innovation Technologies and Engineering-IV, İzmir, Turkey, 11 - 12 September 2021
- VI. **Mechanical properties of high-performance mortars cured at elevated temperature**  
Şahin M., Özyiğit P.  
International Aegean Symposium on Innovation Technologies and Engineering-IV, İzmir, Turkey, 11 - 12 September 2021
- VII. **KAYMA GERİLMELERİ İÇEREN FDM ÇEKİRDEĞE SAHİP SANDVIÇ SİLİNDİRİK KABUKLARIN EKSENEL BASINÇ YÜKÜ ETKİSİ ALTINDA STABİLİTESİ**  
Avey A., Deniz A., Özyiğit P., Osmançelebioğlu E., Kaplan A. N., Yılmaz D.  
XIX. ULUSAL MEKANİK KONGRESİ, Trabzon, Turkey, 24 - 28 August 2015, pp.133-141
- VIII. **The Stability of Cylindrical Shells With Exponentially Graded Coatings Subjected to Lateral Pressure.**  
AVEY A., DENİZ A., ÖZYİĞİT P., OSMANÇELEBİOĞLU E., PINARLIK M., TAŞKIN M., KAPLAN A. N.  
International Civil Engineering Architecture Symposium for Academicians, 17 - 20 May 2014
- IX. **Fonksiyonel Değişimli Malzemelerle Kaplı Seramik Silindirik Panelin Titreşim Analizi**  
AVEY A., MECİTOĞLU Z., ÖZYİĞİT P., TAŞKIN M., PINARLIK M., KAPLAN A. N.  
VII. Internationally Participated National Biomechanics Congress, Isparta, Turkey, 16 - 18 May 2014
- X. **Buckling of Shear Deformable Functionally Graded Orthotropic Cylindrical Shells under a Lateral Pressure**  
AVEY A., DENİZ A., MECİTOĞLU Z., ÖZYİĞİT P., PINARLIK M.  
4th Advances in Applied Physics and Materials Science Congress, Muğla, Turkey, 24 - 27 April 2014
- XI. **Fonksiyonel değişimli malzemelerle kaplanmış metal silindirik kabukların serbest titreşimi**  
AVEY A., Bestelci U., AVCAR M., ÖZYİĞİT P.  
XVIII. Ulusal Mekanik Kongresi, 26-30 Ağustos, 2013, Manisa, Manisa, Turkey, 26 August 2013, pp.82-93
- XII. **Stability Analysis of Clamped Nonhomogeneous Shells on the Elastic Foundation**  
AVEY A., DENİZ A., ÖZYİĞİT P., PINARLIK M.  
3rd Advances in Applied Physics and Materials Science Congress, Antalya, Turkey, 24 - 28 April 2013
- XIII. **Burulmaya Maruz Tabakalı Fonksiyonel Değişimli Silindirik Kabukların Stabilitesi**  
AVEY A., ZERİN Z., DENİZ A., ÖZYİĞİT P.  
İnşaat Mühendisliği'nde 100. Yıl Kongresi, İstanbul, Turkey, 22 - 24 November 2012
- XIV. **The stability analysis of FGM-Metal-FGM layered cylindrical shells under a lateral pressure**  
AVEY A., ZERİN Z., DENİZ A., AVCAR M., ÖZYİĞİT P., Tuğlu M.  
10th International Congress on Advances in Civil Engineering, 17-19 October 2012 Middle East Technical University, Ankara, Ankara, Turkey, 17 October 2012, pp.1-9
- XV. **Effects of The Non Homogeneity and Elastic Medium on the Critical Torsional Load of the Orthotropic Cylindrical Shell**  
SOFIYEV A., DENİZ A., AVCAR M., ÖZYİĞİT P., TUĞLU M., OMURTAG M. H.  
2nd International Advances in Applied Physics and Materials Science Congress APMAS 2012, Antalya, Turkey, 26 - 29 April 2012, pp.72
- XVI. **On the Vibration of Sandwich Cylindrical Shells with FGM Face Sheets on Elastic Foundations**  
SOFIYEV A., DENİZ A., AVCAR M., ÖZYİĞİT P., TUĞLU M.  
International Symposium on Advances in Applied Mechanics and Modern Information Technology, Baku, Azerbaijan, 22 - 23 September 2011, pp.310-314
- XVII. **The Stability of Continuously Non-Homogeneous Spherical Shells Subjected to External Pressure**  
Sofiyev A., Özyiğit P., Avcar M., Zerin Z.  
9th International Congress on Advances in Civil Engineering, Trabzon, Turkey, 27 - 30 September 2010, pp.1-7
- XVIII. **Elastik Zemin Üzerinde Bulunan Fonksiyonel Değişimli Tabaka İçeren Katmanlı Silindirik Kabukların Uniform Yanal Basınç Yükü Etkisi Altında Burkulması**  
Avey A., Avcar M., Özyiğit P., Adıgözel Ş.

XVI. Ulusal Mekanik Kongre, 22-26 Haziran, 2009, Kayseri, Kayseri, Turkey, 22 - 26 June 2009, pp.259-267

**XIX. The vibration of freely supported FG shell structures,**

AVEY A., AVCAR M., MAMMADOV Z., AY Z., ÖZYİĞİT P.

First International Conference on Seismic safety of Caucasus Region Population, Cities and Settlements Kiriak  
Zavriev Institute of Structural Mechanics and Earthquake Engineering, Tiflis, Georgia, 8 - 10 September 2008,  
pp.174-176

## Supported Projects

ÖZYİĞİT P., ŞAHİN M., Project Supported by Higher Education Institutions, Atık cam tozu ve öğütülmüş kireç taşının  
Portland çimentosunun bazı özellikleri üzerine etkileri, 2020 - 2023

ÖZYİĞİT P., SOLAK Y., Project Supported by Higher Education Institutions, Çelik Tel Takviyeli Hafif Beton Plakların  
Mekanik Davranışı, 2020 - 2022

Özyiğit P., Avey A., TUBITAK Project, KAYMA DEFORMASYONLU KABUK TEORİSİ (KDKT) KULLANARAK FONKSİYONEL  
DEĞİŞİMLİ MALZEMELERLE (FDM'LER) KAPLI SANDVIÇ KABUKLARIN HİDROSTATİK DIŞ BASINÇ YÜKÜ ETKİSİ  
ALTINDA STABİLİTE VE SERBEST TİTREŞİM DAVRANIŞLARININ İNCELENMESİ, 2013 - 2016

Özyiğit P., Avey A., Project Supported by Higher Education Institutions, Enine Kayma Deformasyonu İçeren Homojen  
Olmayan Ortotrop Çapraz Tabakalı Kesik Koni Kabukların Dış Basınç Yükleri Etkisi Altında Burkulma Davranışı, 2011 -  
2015

Özyiğit P., Avey A., TUBITAK Project, İki Parametrelili Elastik Zemin Üzerinde Bulunan Homojen Olmayan Ortotrop  
Kompozit Kabukların Çeşitli Yükler Etkisi Altında Doğrusal Olmayan Stabilite Ve Titreşim Davranışlarının İncelenmesi,  
2011 - 2013

Özyiğit P., Avey A., TUBITAK Project, FONKSİYONEL DEĞİŞİMLİ TABAKA İÇEREN TABAKALI KOMPOZİT KESİK KONİK  
KABUKLARIN ZAMANA BAĞLI PERİYODİK OLMAYAN EKSENEL BASINÇ YÜKLERİ ETKİSİ ALTINDA DOĞRUSAL  
OLMAYAN TİTREŞİM VE DİNAMİK BURKULMA PROBLEMLERİNİN ÇÖZÜMÜ, 2008 - 2011

Özyiğit P., Avey A., Project Supported by Higher Education Institutions, Homojen Olmayan Elastik Küresel Kabuğun  
Termal Burkulması, 2008 - 2010

## Metrics

Publication: 29

Citation (WoS): 27

Citation (Scopus): 37

H-Index (WoS): 3

H-Index (Scopus): 4

## Representation and Promotion Activities

Institutional Promotion, Bozok Üniversitesi, Turkey, Yozgat, 2016 - 2016