

Assoc. Prof. ALİ DENİZ

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (Dr), Turkey 2003 - 2007

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 1998 - 2000

Undergraduate, Yıldız Technical University, Kimya-Metalurji Fakültesi, Matematik Mühendisliği Bölümü, Turkey 1992 - 1997

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Fonksiyonel değişimli malzemelerden oluşan dairesel konik kabukların zamana bağlı değişen eksenel yük etkisi altında dinamik burkulması, Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (Dr), 2007

Postgraduate, Homojen Olmayan Malzemelerden Oluşan Elastik Silindirik Bir Kabuğun Zamana Bağlı Basınç Yükleri Altındaki Dinamik Stabilitesi, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2000

Academic Titles / Tasks

Associate Professor, Usak University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2015 - Continues

Assistant Professor, Usak University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2008 - 2015

Lecturer, Usak University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2002 - 2008

Research Assistant, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 1998 - 2002

Academic and Administrative Experience

Usak University, 2015 - 2018

Usak University, 2015 - 2018

Usak University, 2012 - 2018

Usak University, 2012 - 2017

Usak University, 2008 - 2012

Courses

MÜHENDİSLİKTE SAYISAL ANALİZ, Undergraduate, 2021 - 2022
Nümerik Analiz I, Undergraduate, 2021 - 2022
Matematik I, Undergraduate, 2021 - 2022
İleri Mühendislik Matematiği, Postgraduate, 2021 - 2022
Uygulamalı Matematik I-II, Undergraduate, 2021 - 2022
Matematik III, Undergraduate, 2021 - 2022
NÜMERİK ANALİZ, Undergraduate, 2020 - 2021, 2019 - 2020
İleri Diferansiyel Denklemler I, Postgraduate, 2020 - 2021
Müh. Mat., Postgraduate, 2020 - 2021
İleri Dif. Denk. I-II, Postgraduate, 2020 - 2021
Matematik I-II-III-IV, Undergraduate, 2020 - 2021
DİFERANSİYEL DENKLEMLER, Undergraduate, 2019 - 2020
Matris Teorisi I, Undergraduate, 2018 - 2019
KİSMİ TÜREVLİ DİFERANSİYEL DENKLEMLER, Undergraduate, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Mathematical modelling and gas sensing abilities of graphene based optical sensor**
DENİZ A., Acikbas S., BÜYÜKKABASAKAL K., AÇIKBAŞ Y., Erdogan M., Capan R.
Journal of Optoelectronics and Advanced Materials, vol.24, no.5-6, pp.193-200, 2022 (SCI-Expanded)
- II. **Influences of elastic foundations and material gradient on the dynamic response of polymer cylindrical pipes patterned by carbon nanotube subjected to moving pressures**
DENİZ A., Avey M., Fantuzzi N., Sofiyev A., Turkaslan B. E., YÜCE S., Schnack E.
Nanomaterials, vol.11, no.11, 2021 (SCI-Expanded)
- III. **Modeling and solution of large amplitude vibration problem of construction elements made of nanocomposites using shear deformation theory**
DENİZ A., Fantuzzi N., Sofiyev A. H., KURUOĞLU N.
Materials, vol.14, no.14, 2021 (SCI-Expanded)
- IV. **Chemical Sensor Properties and Mathematical Modeling of Graphene Oxide Langmuir-Blodgett Thin Films**
BÜYÜKKABASAKAL K., Celik Acikbas S., DENİZ A., AÇIKBAŞ Y., Capan R., Erdogan M.
IEEE Sensors Journal, vol.19, no.20, pp.9097-9104, 2019 (SCI-Expanded)
- V. **Winkler-Pasternak foundation effect on the frequency parameter of FGM truncated conical shells in the framework of shear deformation theory**
DENİZ A., Zerin Z., Karaca Z.
Composites Part B: Engineering, vol.104, pp.57-70, 2016 (SCI-Expanded)
- VI. **Buckling of shear deformable functionally graded orthotropic cylindrical shells under a lateral pressure**
Sofiyev A., DENİZ A., Mecitoğlu Z., ÖZYİĞİT P., PINARLIK M.
Acta Physica Polonica A, vol.127, no.4, pp.907-909, 2015 (SCI-Expanded)
- VII. **Generalizations of hölder's inequalities on time scales**
UÇAR D., DENİZ A.
Journal of Mathematical Inequalities, vol.9, no.1, pp.247-255, 2015 (SCI-Expanded)
- VIII. **Stability analysis of clamped nonhomogeneous shells on the elastic foundation**
Sofiyev A., DENİZ A., ÖZYİĞİT P., PINARLIK M.
Acta Physica Polonica A, vol.125, no.2, pp.459-461, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **Grafen Kaplı Kimyasal Sensörlerin Şişme Davranışları ve Matematiksel Modelleme**
ÇELİK AÇIKBAŞ S., BÜYÜKKABASAKAL K., DENİZ A., AÇIKBAŞ Y., ÇAPAN R., ERDOĞAN M.
Selçuk Üniversitesi Fen Fakültesi Dergisi, vol.46, no.2, pp.110-117, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **OPTICAL SENSOR PROPERTIES AND MATHEMATICAL MODELLING OF GRAPHENE NANO THIN FILMS**
Çelik Açıkbaş S., BÜYÜKKABASAKAL K., DENİZ A., AÇIKBAŞ Y., ÇAPAN R., ERDOĞAN M.
BRAMAT 2019 11th INTERNATIONAL CONFERENCE ON MATERIALS SCIENCE ENGINEERING, Brasov, Romania, 13 - 16 March 2019
- II. **On The Solution Of Eigenvalue Problem Of Complete Conical Shell With Functionally Graded Coatings And Metal-Rich Core**
AVEY A., DENİZ A., MECİTOĞLU Z.
International Conference on Mathematics and Mathematics Education (ICMME-2017), Urfa, Turkey, 11 - 13 May 2017, pp.565-566
- III. **Vibration Analysis Of Functionally Graded Orthotropic Plates Considering Transverse Shear Deformations And Rotary İnertia**
AVEY A., MAMMADOV Z., ZERİN Z., DENİZ A.
Scientific-Technical Conference "Intellectual Technologies In Mechanical Engineering, Baku, Azerbaijan, 28 - 30 September 2016, pp.325-328
- IV. **KAYMA GERİLMELERİ İÇEREN FDM ÇEKİRDEĞE SAHİP SANDVIÇ SİLİNDİRİK KABUKLARIN EKSENEL BASINÇ YÜKÜ ETKİSİ ALTINDA STABİLİTESİ**
AVEY A., DENİZ A., ÖZYİĞİT P., Osmañealebiođlu E., KAPLAN A. N., Yılmaz D.
XIX. ULUSAL MEKANİK KONGRESİ, Trabzon, Turkey, 24 - 28 August 2015, pp.133-141

Metrics

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