

Prof. YAŞAR PALA

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International Researcher IDs

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Education Information

Doctorate, Bursa Uludağ University, Turkey 1987 - 2018

Undergraduate, Bursa Uludağ University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, Turkey 1982 - 1986

Foreign Languages

English, C1 Advanced

Academic Titles / Tasks

Professor, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 1987 - Continues

Academic and Administrative Experience

Head of Department, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 2015 - Continues

Courses

Dinamik, Undergraduate, 2021 - 2022

Advising Theses

PALA Y., Development of a flexible algorithm for the optimum design of trunk lid hinges, Postgraduate, Ş.Özcan(Student), 2017

PALA Y., Investigation and optimization of buckling behavior of uprights and frames used in steel storage rack systems, Postgraduate, S.Şenaysoy(Student), 2017

PALA Y., Riccati equation, a new analytical method for solving Riccati equation and engineering applications, Postgraduate, M.Özgür(Student), 2017

PALA Y., Improving the buckling behaviour of columns used in steel rack systems, Postgraduate, Ç.Kahya(Student), 2016

PALA Y., Investigation of temperature distribution and thermal stresses by a stationary or moving heat source in two dimensional plates, Postgraduate, M.Çavuş(Student), 2011

PALA Y., Dynamic response of slightly curved and supported beams under moving loads, Doctorate, M.Reis(Student), 2009

PALA Y., Analytical approach to wave and stress analysis of bars made of non linear material with finite length, Postgraduate, Ö.Bademci(Student), 2006

PALA Y., The effect of fluid motion in external fuel tanks on vehicle dynamics, Postgraduate, M.Reis(Student), 2004

PALA Y., Analytical solutions of the direct dynamic problem, Postgraduate, G.Sevilgen(Student), 2003

PALA Y., Inclusion problem in axially loaded plates with a hole, Postgraduate, G.Ak(Student), 2003

PALA Y., Stress distribution in a toroidal ring sector subjected to bending and twisting, Doctorate, Ş.Tursunov(Student), 1999

PALA Y., Design and analysis of mechanical holders, Postgraduate, Ş.Tursunov(Student), 1995

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Method Based on Riccati Equation for the Vibration Analysis of Rods with Variable Cross-Sections**
PALA Y., KAHYA Ç.
INTERNATIONAL JOURNAL OF STRUCTURAL STABILITY AND DYNAMICS, vol.22, no.11, 2022 (Peer-Reviewed Journal)
- II. **Damped vibration analysis of cracked Timoshenko beams with restrained end conditions**
PALA Y., BEYÇİMEN S., KAHYA Ç.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.42, no.9, 2020 (Peer-Reviewed Journal)
- III. **Torsion of circular open cross-section with corrugated inner and outer surface**
PALA Y., Pala A.
STRUCTURAL ENGINEERING AND MECHANICS, vol.73, no.1, pp.75-82, 2020 (Peer-Reviewed Journal)
- IV. **Dynamic Response of a Cracked Beam under a Moving Mass Load**
PALA Y., REİS M.
JOURNAL OF ENGINEERING MECHANICS, vol.139, no.9, pp.1229-1238, 2013 (Peer-Reviewed Journal)
- V. **VIBRATION OF A CRACKED CANTILEVER BEAM UNDER MOVING MASS LOAD**
REİS M., PALA Y.
JOURNAL OF CIVIL ENGINEERING AND MANAGEMENT, vol.18, no.1, pp.106-113, 2012 (Peer-Reviewed Journal)
- VI. **Dynamic response of a beam supported with damper under moving load**
REİS M., PALA Y.
STRUCTURAL ENGINEERING AND MECHANICS, vol.31, no.4, pp.477-480, 2009 (Peer-Reviewed Journal)
- VII. **DYNAMIC RESPONSE OF A SLIGHTLY CURVED BRIDGES UNDER MOVING MASS LOADS**
REİS M., PALA Y.
BALTIC JOURNAL OF ROAD AND BRIDGE ENGINEERING, vol.4, no.3, pp.143-148, 2009 (Peer-Reviewed Journal)
- VIII. **Dynamic analysis of a bridge supported with many vertical supports under moving load**
REİS M., PALA Y., Karadere G.
BALTIC JOURNAL OF ROAD AND BRIDGE ENGINEERING, vol.3, no.1, pp.14-20, 2008 (Peer-Reviewed Journal)

Articles Published in Other Journals

- I. **Free vibration analysis of mixed supported beam**
PALA Y., BEYÇİMEN S.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.26, no.1, pp.1-8, 2020 (Peer-Reviewed Journal)
- II. **A New Analytical Method for Solving General Riccati Equation**
PALA Y., Ertaş Ö.
Universal Journal of Applied Mathematics, vol.5, no.2, pp.11-16, 2017 (Peer-Reviewed Journal)

III. Akışkan kargo taşıyan aracın fren dinamiğinin incelenmesi

REİS M., PALA Y.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.12, no.3, pp.303-312, 2006 (Peer-Reviewed Journal)

Books & Book Chapters

I. Titreşim Ölçümü ve Uygulamaları

PALA Y., REİS M.

in: Mekanik Titreşimler Cilt 2, Yaşar Pala, Editor, Nobel Akademik Yayıncılık, pp.870-938, 2017

II. MUKAVEMET / Strength Of Materials / Schaum'xxs

PALA Y.

Nobel Yayıncılık, Ankara, 2014

III. İleri mühendislik matematiği

PALA Y.

Nobel yayıncılık, Ankara, 2013

IV. modern uygulamalı diferensiyel denklemler çözümlü problemler

PALA Y.

Nobel Akademik yayıncılık, Ankara, 2011

V. kısmi diferensiyel denklemler

PALA Y.

U.Üniv yayınları, Bursa, 2000

Refereed Congress / Symposium Publications in Proceedings

I. ÇELİK DEPO RAF SİSTEMLERİNDE KULLANILAN YATAY TAŞIYICIYA OTURAN TAVA RAFLARIN KAPASİTELERİNİN ANALİTİK VE SONLU ELEMANLAR YÖNTEMİYLE BELİRLENMESİ

PALA Y., ŞENAYSOY S., ÇALIŞ E.

XX. Ulusal Mekanik Kongresi, Turkey, 5 - 09 September 2017

II. Doğrudan Dayanım Yöntemiyle Çelik Depo Raf Sistemlerinde Kullanılan Soğuk Şekillendirilmiş Çelik Dikmelerin Burkulma Yüklerinin Bulunması

PALA Y., ŞENAYSOY S.

7. Çelik Yapılar Sempozyumu, Turkey, 26 - 28 October 2017

III. Analytical Investigation of the Stress Distribution in the Beam end Connector in Storage Rack Systems

PALA Y., REİS M.

INTERNATIONAL CONFERENCE, SCOPIA, Macedonia, 15 - 19 May 2016

IV. Çelik Depo Raf Sistemlerinde Kullanılan Kulak Bağlantılarında Kaynak Hesabı Ve Optimizasyonu

PALA Y., ÇALIŞ E., ÖCAL A., ŞENAYSOY S.

6. ÇELİK YAPILAR SEMPOZYUMU, Eskişehir, Turkey, 9 - 11 December 2015

V. THE EFFECTS OF CENTRIPETAL AND CORIOLIS FORCES ON THE DYNAMIC RESPONSE OF A CRACKED BEAM UNDER A MOVING MASS LOAD

PALA Y., REİS M.

13th International Conference on Applied Mechanics and Mechanical Engineering., Cairo, Egypt, 27 - 29 May 2008

Metrics

Citation (WoS): 37

Citation (Scopus): 44

H-Index (WoS): 4

H-Index (Scopus): 4