Assoc. Prof. Ramazan TEKERCİOĞLU



Personal Information

Office Phone: +90 212 383 4608
Fax Phone: +90 212 383 4590
Web: https://avesis.yildiz.edu.tr/tramazan
Address: Yıldız Teknik Üniversitesi, Kimya-Metalürji Fakültesi, Matematik Mühendisliği Bölümü, Davutpaşa Yerleşkesi, 34210 Esenler/İSTANBUL

International Researcher IDs
ScholarID: 3FnruP8AAAAJ
ORCID: 0000-0003-2899-7386
Publons / Web Of Science ResearcherID: HPH-2359-2023
ScopusID: 14627859100
Yoksis Researcher ID: 185404

Education Information

Doctorate, Yildiz Technical University, Faculty Of Chemıcal And Metallurgıcal Engıneerıng, Matematik Mühendisliği Bölümü, Turkey 2001 - 2006
Postgraduate, Yildiz Technical University, Faculty Of Chemıcal And Metallurgıcal Engıneerıng, Matematik Mühendisliği Bölümü, Turkey 1998 - 2001
Undergraduate, Yildiz Technical University, Faculty Of Chemıcal And Metallurgıcal Engıneerıng, Matematik Mühendisliği Bölümü, Turkey 1993 - 1997

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, ÇOK KATLI VİSKOELASTİK YARI UZAYLARIN YÜZEYSEL STABİLİTE KAYBI, Yıldız Teknik Üniversitesi, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Matematik Mühendisliği Bölümü, 2006
Postgraduate, SPLİNE İLE EĞRİ VE YÜZEY OLUŞTURMA, Yıldız Teknik Üniversitesi, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Matematik Mühendisliği Bölümü, 2001

Research Areas

Mathematics, Differential Equations, Fourier Analysis, Natural Sciences

Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Chemıcal And Metallurgıcal Engıneerıng, Department Of Mathematics Engineering, 2021 - Continues

Assistant Professor, Yildiz Technical University, Faculty Of Chemıcal And Metallurgıcal Engıneerıng, Department Of Mathematics Engineering, 2018 - 2021
Assistant Professor, Yildiz Technical University, Faculty Of Chemıcal And Metallurgıcal Engıneerıng, Department Of Mathematics Engineering, 2012 - 2018

Courses

İleri Nümerik Analiz, Postgraduate, 2018 - 2019, 2017 - 2018
Mekanik 1, Undergraduate, 2019 - 2020
ileri Analiz 1, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
ileri Analiz 2, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Adi Diferansiyel Denklemlerin Nümerik Çözümleri, Undergraduate, 2018 - 2019, 2014 - 2015
Mekanik 1, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017
Bitirme Çalışması, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Matematik Mühendisliğinde Tasarım Uygulamaları, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Sayısal Analiz, Undergraduate, 2015 - 2016
Nümerik Analiz 1, Undergraduate, 2015 - 2016, 2014 - 2015
Adi Dif. Denk. Nümerik Çöz., Undergraduate, 2013 - 2014
Matematik Analiz IV, Undergraduate, 2013 - 2014, 2012 - 2013
Mat.Müh.Tas.Uyg., Undergraduate, 2013 - 2014
Olasılık Teorisi, Undergraduate, 2012 - 2013
Nümerik Analiz 1, Undergraduate, 2013 - 2014, 2012 - 2013
Matematik Analiz III, Undergraduate, 2013 - 2014, 2012 - 2013
Matematik Analiz 2, Undergraduate, 2011 - 2012
Bilişim Etiği, Undergraduate, 2011 - 2012
Statik ve Mukavemet, Undergraduate, 2011 - 2012

Published journal articles indexed by SCI, SSCI, and AHCI

I. **ON THE TRAVELING WAVE SOLUTIONS OF PULSE PROPAGATION IN MONOMODE FIBER VIA THE EXTENDED KUDRYASHOV'S APPROACH**
Tekercioğlu R.
Thermal Science, vol.26, no.Special Issue 1, 2022 (SCI-Expanded)

II. **Flow field analysis of grooved surfaces**
Bayraktar S., Tekercioglu R., Dincel A.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.16, no.9, pp.5365-5368, 2019 (SCI-Expanded)

III. **SELF-EQUILIBRATED STRESSES IN THE SYSTEM COMPOSED OF A COVERING LAYER plus SPATIALLY LOCALLY CURVED REINFORCING LAYER plus HALF-SPACE**
Tekercioğlu R.
THERMAL SCIENCE, vol.23, 2019 (SCI-Expanded)

IV. **STRESS DISTRIBUTION CAUSED BY CO-PHASE LOCALLY SPATIALLY CURVED LAYERS IN AN INFINITE ELASTIC BODY UNDER BI-AXIAL COMPRESSION**
Tekercioğlu R.
THERMAL SCIENCE, vol.23, 2019 (SCI-Expanded)

V. **Dispersion relations of axisymmetric wave propagation in finite pre-stretched compound circular cylinders made from highly elastic incompressible materials**
AKBAROV S., Guliev M., Tekercioglu R.
CMES - Computer Modeling in Engineering and Sciences, vol.55, no.1, pp.1-31, 2010 (SCI-Expanded)

VI. **Surface undulation instability of the viscoelastic half-space covered with the stack of layers in bi-axial compression**
Akbarov S., TEKERCIOGLU R.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.49, no.6, pp.778-789, 2007 (SCI-Expanded)

VII. **Near-surface buckling instability of a system consisting of a moderately rigid substrate, a viscoelastic bond layer, and an elastic covering layer**
Akbarov S., TEKERCIOGLU R.
MECHANICS OF COMPOSITE MATERIALS, vol.42, no.4, pp.363-372, 2006 (SCI-Expanded)

Articles Published in Other Journals

I. **On the optical soliton solutions of (2+1)-Biswas-Milovic equation via modified new Kudryashov method**
Tekercioğlu R.
Avrupa Bilim ve Teknoloji Dergisi, vol.51, pp.14-20, 2023 (Peer-Reviewed Journal)

II. **Non-topological Soliton Solution of (2+1)-dimensional Complex Three Coupled Nonlinear Maccari's Model via Modified New Kudryashov Scheme**
ÖZIŞIK M., TEKERCİOĞLU R.
Avrupa Bilim ve Teknoloji Dergisi, 2022 (Peer-Reviewed Journal)

III. **Yarı Uzay Üzerinde İki Katlı Yerel Eğrilikli Levha ile Bir ÖrtenLevhadan Oluşan Sistemde Normal Gerilmeler Hakkında**
TEKERCİOĞLU R.
Avrupa Bilim ve Teknoloji Dergisi, no.19, pp.866-872, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **On a Stress Analysis in an Infinite Elastic Body with Local Curving of Layers Under Bi-axial Compression**
TEKERCİOĞLU R.
International Conference on Applied Analysis and Mathematical Modeling (ICAAMM 2019), İstanbul, Turkey, 10 March 2019, pp.187

II. **Stress Distribution Caused by Local Curving of Layers in an Infinite Elastic Body under Bi-axial Compression**
Tekercioğlu R.
International Conference on Mathematics: An Istanbul Meeting for World Mathematicians, İstanbul, Turkey, 03 July 2018 - 06 July 2019, pp.304

III. **Self-balanced stresses in the system consisting of a covering layer + spatially locally curved layer + half-space**
TEKERCİOĞLU R., AKBAROV S. D.
ICCESEN 2017, Antalya, Turkey, 04 October 2017, vol.1, no.1, pp.517

IV. **Legendre-Wavelet Galerkin Method for the Solution of Fractional Order Differential Equations System**
Seçer A., Taşçi F., Turan Dincel A., Tekercioğlu R.
ICCESEN 2017, Antalya, Turkey, 04 October 2017, vol.1, no.1, pp.204

V. **Flow Field Analysis of Grooved Surfaces**
BAYRAKTAR S., TEKERCİOĞLU R., TURAN DİNCEL A.
4th International Conference on Computational and Experimental Science and Engineering, 4 - 08 October 2017

VI. **S3 Graded iso (1,2)**
Uçan Y., Köşker R., Tekercioğlu R.

6th International Eurasian Conference on Mathematical Sciences and Applications, Budapest, Hungary, 15 - 18 August 2017, pp.30-31

VII. **Stress Distribution In Layered Half-Space Caused By Spatially Local Curving Of The Near-Surface Reinforcing Layer**
TEKERCİOĞLU R.
XVIII International Conference, Mechanics Of Composite Materials, Riga, Latvia, 02 June 2014, vol.1, no.1, pp.183

VIII. **Fractional Supersymmetric sl(2): U35(sl(2)) and U36(sl(2))**
UÇAN Y., KÖŞKER R., TEKERCİOĞLU R., TURAN DİNCEL A.
IECMSA-2013: 2nd International Eurasian Conference on Mathematical Sciences and Applications, Sarajevo, Kosova, 26 August 2013, pp.217

IX. **Near-surface stability loss of a system consisting of a moderately rigid half-space, a viscoelastic bond and covering elastic layers in a bi-axial compression**
AKBAROV S. D., TEKERCİOĞLU R.
Conference on Damage in Composite Materials: Non-Destructive Testing and Simulation (CDCM06), Stuttgart, Germany, 18 September 2006, pp.155-156

X. **Surface Instability of a System Consisting of a Moderately Rigid Substrate, Viscoelastic Bonding Layer, and an Elastic Covering Layer**
AKBAROV S. D., TEKERCİOĞLU R.
XIV International Conference - Mechanics of Composite Materials, Riga, Latvia, 29 May 2006, pp.7

XI. **Near-surface fracture of the visco-elastic layered composites in compression**
AKBAROV S. D., TEKERCİOĞLU R.
7th International Fracture Conference (IFC-7), Kocaeli, Turkey, 19 October 2005, vol.2, pp.763-773

XII. **İki katlı visko-elastik levha ile örtülmüş yarı-düzlemin yüzeysel stabilite kaybı**
AKBAROV S. D., TEKERCİOĞLU R.
XIV. Ulusal Mekanik Kongresi, Hatay, Turkey, 12 September 2005, pp.35-44

XIII. **Near-surface stability loss of the stratified visco-elastic half-space in a bi-axial compression**
AKBAROV S. D., TEKERCİOĞLU R.
Twelfth Annual International Conference on Composites/Nano Engineering (ICCE-12), Tenerıfe, Canary Islands, Spain, 01 August 2005, pp.1-2

Metrics

Publication: 23
Citation (WoS): 26
Citation (Scopus): 30
H-Index (WoS): 3
H-Index (Scopus): 3