

## İŞİM DEMİRİZ

### ASST. PROF.

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International Researcher

IDs

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Publons / Web Of Science

ResearcherID: AAZ-7771-

2020

ScopusID: 6507284753

Yoksis Researcher ID: 174737



### Learning Knowledge

Doctorate  
1997 - 2003

Yildiz Technical University, Graduate School Of Natural And Applied Sciences,  
Matematik Bölümü, Turkey

Postgraduate  
1988 - 1990

Yildiz Technical University, Graduate School Of Natural And Applied Sciences,  
Matematik, Turkey

Undergraduate  
1984 - 1988

Yildiz Technical University, Fen Edebiyat Fakültesi, Matematik, Turkey

### Foreign Languages

English, C1 Advanced

### Academic Titles / Tasks

Assistant Professor  
2018 - Continues

Yildiz Technical University, Matematik

Assistant Professor  
2004 - 2018

Yildiz Technical University, Matematik

Research Assistant

1989 - 2003

Yildiz Technical University, Fen Edebiyat Fakültesi, Matematik

## Supported Projects

1. Akbarov S., Selim S., Demiriz I., Tarım E., Project Supported by Higher Education Institutions, Delik ve Çatlak İçeren Kompozit Plakların Çekme Durumundaki Yerel Stabilitate Kaybına Ait Matematik Modellemenin Geliştirilmesi ve Sonlu Elemanlar Yöntemi İle İncelenmesi, 2005 - 2008
2. Akbarov S., Selim S., Demiriz I., Project Supported by Higher Education Institutions, Non-Linear Elastisite Teorisi Denklemlerinin Sonlu Alanlar İçin Olan Sınır Değer Problemlerinin Perturbasyon Yöntemiyle İncelenmesi, 1997 - 2002
3. DEMİRİZ I., Project Supported by Higher Education Institutions, A-Optimal Dizaynların  $n > 6$  İçin Elde Edilmesi, 1992 - 1993

## Awards

1. DEMİRİZ I., Uluslararası Bilimsel Çalışmaları Destek Ödülü, Yıldız Teknik Üniversitesi, July 2005
2. DEMİRİZ I., Uluslararası Bilimsel Çalışmaları Destek Ödülü, Tübitak, September 2004
3. DEMİRİZ I., Uluslararası Bilimsel Çalışmaları Destek Ödülü, Tübitak, September 2003

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

1. **Buckling instability of a thick rectangular plate of a composite material with a spatially periodically curved structure**  
Akbarov S., Selim S., Demiriz I.  
Mechanics of Composite Materials, vol.40, no.5, pp.389-396, 2004 (SCI-Expanded)
2. **Stress analysis for a thick rectangular plate of a composite material with a spatially periodically curved structure under forced vibration**  
Demiriz I., Akbarov S.  
MECHANICS OF COMPOSITE MATERIALS, vol.39, no.3, pp.235-244, 2003 (SCI-Expanded)

## Articles Published in Other Journals

1. **A study of convergence of  $\xi$  approximations transform by region depended given as determined by  $\sigma_n(t)$  Functions on entire complex plane**  
DEMİRİZ I.  
Mathematical Modelling, vol.2020, no.4, pp.104-105, 2020 (Peer-Reviewed Journal)
2. **Investigation of convergence of  $\xi$  approximations on complex number plane**  
Demiriz I.  
mathematical modelling, vol.2, no.4, pp.134-135, 2018 (Peer-Reviewed Journal)
3. **Implementaiton of Wavelets to Detection of Fish Population**  
Kahramaner Y., Demiriz I., Aslan Z., Özdemir G.  
İAÜ Fen Bilimleri Dergisi, vol.1, no.7, pp.52-65, 2011 (Peer-Reviewed Journal)
4. **Natural and forced Vibration of the Thick Plate Fabricated From the Spatially Curved Composite,**  
Yıldız Teknik Üniversitesi Dergisi

## Refereed Congress / Symposium Publications in Proceedings

1. **A study of convergence of  $\xi$  approximations transform by region depended given as determined by  $\sigma_n(t)$  Functions on entire complex plane**  
Demiriz I.  
IV INTERNATIONAL SCIENTIFIC CONFERENCE "MATHEMATICAL MODELING", Plovdiv, Bulgaria, 9 - 12 December 2020, vol.4, no.1, pp.39-40
2. **Investigation of Convergence of Ksi Approximations on Complex Number Plane**  
DEMİRİZ I.  
II. International Scientific Conference Mathematical Modelling, Borovets, Bulgaria, 12 December 2018, vol.1, no.2, pp.28-29
3. **Kesirli Türevde Son Yaklaşımlar**  
DEMİRİZ I., Değerli K.  
30. Ulusal Matematik Sempozyumu, Ankara, Turkey, 06 September 2017, pp.22
4. **MODELLING AND PROGRAMMING WITH FINITE ELEMENT METHOD (FEM) OF PARTIAL DIFFERENTIAL EQUATIONS WITH NON-LINEAR VARIABLE COEFFICIENTS IN AN ENGINEERING PROBLEM**  
DEMİRİZ I.  
24th Conference on Applied and Industrial Mathematics - CAIM 2016, Craiova, Bulgaria, 15 September 2016, pp.26
5. **Some Numerical Solutions with FEM on The Stress Analysis in The Rectangular Thick Plate Made From Composite Materials with 3D Curved Structure**  
DEMİRİZ I.  
Young Researchers in Mathematics 2013, Edinburg, United Kingdom, 17 June 2013, pp.23
6. **Mathematical Modeling And Numerical Investigation of The Stress Analysis in The Rectangular Thick Plate From Composite Material With Spatially Periodically Curved Structure**  
Tokatlı N., Tarım E., Demiriz I., Selim S.  
The 4th Congress of the Turkic World Mathematical Society (TWMS), Baku, Azerbaijan, 1 - 03 June 2011, pp.457
7. **Implementantation Of Wavelets to Dedection of Fish Population**  
DEMİRİZ I., Kahramaner Y., ÖZDEMİR G., ASLAN Z.  
The Fifth International Symposium on Wavelets Applications to World Problems, İstanbul, Turkey, 07 June 2010, pp.28
8. **Buckling Instability of a Thick Rectangular Plate Made of a Composite Material With a Periodic Spatially Curved Structure**  
Akbarov S. D., Selim S., Demiriz I.  
Thirteenth Internatioanal Conference, Mechanics of Composite Materials, Riga, Latvia, 16 - 20 May 2004, pp.9
9. **Yapısında İki Yönde Eğrilik Olan Kompozit Malzemedden Hazırlanmış Kalın Plâğın Stabilite Kaybı**  
Selim S., Demiriz I.  
XIII. Ulusal Mekanik Kongresi, Gaziantep, Turkey, 8 - 12 September 2003, pp.685-691
10. **Stress Analysis In The Rectangular Thick Plate From Composite Material With Periodic Spatially Curved Structure Under Forced Vibration**  
DEMİRİZ I., AKBAROV S. D.  
Mechanics of Composite Materials, Riga, Latvia, 09 June 2002, pp.51
11. **Eğrisel Yapıya Sahip Kompozit Malzemedden Hazırlanmış Kalın Dikdörtgen Plaktaki Gerilme Dağılımının İncelenmesi**  
Kahramaner Y., Taylan İ., Demiriz I., Selim S.  
XII. Ulusal Mekanik Kongresi, Konya, Turkey, 10 - 14 September 2001, pp.525-530
12. **İki Yönde Eğilmis Yapıya Sahip Kompozit Malzemedden Hazırlanmış Dikdörtgen Plâğın Dogal**

## Titresimleri

Demiriz I.

XII. Ulusal Mekanik Kongresi, Konya, Turkey, 10 September 2001, pp.327-333

13. **Investigation on The Stress Distribution in a Thick Plate Fabricated From The Curved Composite**

Kahramaner Y., Taylan İ., Demiriz I., Selim S.

Eight Annual International Conference On Composites Engineering - ICCE/8, Tenerife, Spain, 5 - 11 August 2001, pp.413-414

14. **Natural Vibration of The Thick Plate Fabricated From The Spatially Curved Composite**

DEMİRİZ I., AKBAROV S. D.

Eight Annual International Conference On Composites Engineering, Tenerife, Spain, 05 August 2001, pp.11-12

## Academic and Administrative Experience

2018 - Continues	<b>Mezunlarla İlişkiler Komisyonu Üyesi</b>	Yıldız Technical University, Rectorate, Rectorate
2017 - Continues	<b>Fakülte Kurulu Üyesi</b>	Yıldız Technical University, Faculty of Arts & Science, Department of Mathematics
2008 - Continues	<b>Bölüm Tanıtım ve Mezunlarla İlişkiler Komisyonu Başkanı</b>	Yıldız Technical University, Faculty of Arts & Science, Department of Mathematics
2008 - 2018	<b>Farabi Program Institutional Coordinator</b>	Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Matematik Bölümü
2015 - 2016	<b>Vice Dean</b>	Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi
2008 - 2011	<b>Deputy Head of Department</b>	Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Matematik Bölümü

## Advising Theses

DEMİRİZ I., Kesirli Mertebeden Türeve Uygulamalarla Genel Bakış, Postgraduate, K.DEĞERLİ(Student), 2018

DEMİRİZ I., Veri Madenciliğinde Matematik Modelleme ve Türkiye'deki Uygulamalar, Postgraduate, E.YAVUZ(Student), 2017

TARIM E., DEMİRİZ I., İki Yönde Eğrisel Yapıya Sahip Kalın Dikdörtgen Plâğın Gerilme Analizine Ait Matematik Modelinin SEY ile İncelenmesi, Postgraduate, N.TOKATLI(Student), 2007

## Metrics

Publication: 20

Citation (WoS): 5

Citation (Scopus): 5

H-Index (WoS): 2

H-Index (Scopus): 2

## Congress and Symposium Activities

MathModel 2018, Attendee, Bulgaria, 2018

Young Researchers in Mathematics, Attendee, Edinburgh, United Kingdom, 2013

The Fifth International Symposium on Wavelets Applications to World Problems,, Attendee, İstanbul, Turkey, 2010

Mechanics of Composite Materials, Attendee, Riga, Latvia, 2004

XIII. Ulusal Mekanik Kongresi, Attendee, Gaziantep, Turkey, 2003

XII. Ulusal Mekanik Kongresi, Attendee, Konya, Turkey, 2001

## Research Areas

Mathematics, Differential Equations, Partial Differential Equations, Numerical Analysis, Natural Sciences