

## **Prof. ADİL MISIR**

### **Personal Information**

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### **International Researcher IDs**

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Publons / Web Of Science ResearcherID: AHE-7362-2022

ScopusID: 23981134200

Yoksis Researcher ID: 106006

### **Education**

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 1991 - 1996

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 1988 - 1990

Undergraduate, Gazi University, Fen-Edebiyat Fakültesi, Matematik Pr., Turkey 1982 - 1987

### **Dissertations**

Doctorate, Homagen Olmayan Katı Özlü Bir Ortamda Saçılma Problemi, Gazi University, Fen Fakültesi, Matematik, 2006

Postgraduate, Akım ve sirkülasyon, Gazi University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 1986

### **Research Areas**

Natural Sciences

### **Academic Positions**

Professor, Gazi University, Fen Fakültesi, Matematik, 2017 - Continues

Associate Professor, Gazi University, Fen Fakültesi, Matematik, 2010 - 2014

Lecturer PhD, Gazi University, Fen Fakültesi, Matematik, 1999 - 2010

Research Assistant PhD, Gazi University, Fen Fakültesi, Matematik, 1996 - 1997

Research Assistant, Gazi University, Fen Fakültesi, Matematik, 1988 - 1996

### **Academic and Administrative Experience**

Gazi University, Fen Fakültesi, Matematik Bölümü, 2005 - 2008

## Courses

### Postgraduate

KESİRLİ DİFERANSİYEL DENKLEMLERDE ÖZEL KONULAR, Postgraduate, 2021 - 2022

### Undergraduate

Zaman Skalası-II, Undergraduate, 2021 - 2022

Diferensiyel Denklemler-II, Undergraduate, 2020 - 2021

Diferensiyel Denklemler I, Undergraduate, 2020 - 2021

## Supervised Theses

Misir A., Lineer ve lineer olmayan integral denklemleri, Postgraduate, I.Qasim(Student), 2025

MISIR A., Ulam Stability For First Order Dynamic Equations On Time Scale, Postgraduate, B.AYDIN(Student), 2021

MISIR A., Ulam Stability For First Order Delayed Differential Equations, Postgraduate, N.ÜNAL(Student), 2021

MISIR A., Lineer diferensiyel denklemlerin kararlılığı ve Hyers-Ulam kararlılığı, Postgraduate, N.KITAN(Student), 2019

MISIR A., Hyres-Ulam Stability Of Linear Differential Equations, Postgraduate, N.Kitan(Student), 2019

MISIR A., Diamond Alfa Derivative And Integral On Time Scales, Postgraduate, T.DOĞRUÖZ(Student), 2016

MISIR A., Kamenev Criteria For Second Order Linear Differential And Dynamic Equations, Postgraduate, M.ÇİMEN(Student), 2016

MISIR A., Oscillation Theorems For Second Order Half Linear Differential Equations, Doctorate, B.MERMERKAYA(Student), 2016

MISIR A., Laplace Transform On Time Scales, Postgraduate, Ş.ŞENGÜL(Student), 2016

MISIR A., Oscillation theorems for second order nonlinear differential equations, Doctorate, S.ÖĞREKÇİ(Student), 2014

MISIR A., Nonoscillation criterias for second order differential equations and emdem-fowler system of differential equations, Postgraduate, R.TOSUN(Student), 2014

MISIR A., Oscillation criteria on second-order differential equations, Postgraduate, Ş.KÜLAH(Student), 2013

MISIR A., ZAMAN SKALALARI ÜZERİNDE BAZI İNTEGRAL EŞİTSİZLİKLERİ VE UYGULAMALARI, Postgraduate, C.BOZKURT(Student), 2010

MISIR A., Some integral inequalities and their applications on time scales, Postgraduate, C.BOZKURT(Student), 2010

MISIR A., PROPERTY C AND THE I-FUNCTION OF THE ONE DIMENSIONAL INVERSE SCATTERING PROBLEMS, Postgraduate, H.ENGÜR(Student), 2009

MISIR A., Zaman skalaları üzerinde üstel fonksiyonun özellikler ve bazı uygulamaları, Postgraduate, H.BİÇİCİOĞLU(Student), 2009

MISIR A., Zaman skalalarında lineer dinamik sistemlerin asimptotik davranışları, Postgraduate, S.ÖĞREKÇİ(Student), 2009

MISIR A., ASYMPTOTIC BEHAVIOR OF LINEAR DYNAMIC SYSTEMS ON TIME SCALES, Postgraduate, S.ÖĞREKÇİ(Student), 2009

MISIR A., Bir boyutlu ters saçılma problemlerinde C özelliği ve I-fonksiyonu, Postgraduate, H.ENGÜR(Student), 2009

MISIR A., Homojen olmayan katı özlü bir ortamda saçılma probleminin tekliği, Postgraduate, İ.SULAN(Student), 2007

MISIR A., UNIQUENESS OF SCATTERING PROBLEM IN AN INHOMOGENEOUS MEDIUM WITH RIGID CORE, Postgraduate, İ.SULAN(Student), 2007

MISIR A., İki boyutlu uzayda ısı ve laplace denklemlerinin incelenmesi, Postgraduate, Ü.SUFRACI(Student), 2003

## Journal articles indexed in SCI, SSCI, and AHCI

### I. Generalized derivatives and Laplace transform in $(k,\psi)$ -Hilfer form

Başçı Y., MISIR A., Öğrekçi S.

Mathematical Methods in the Applied Sciences, vol.46, no.9, pp.10400-10420, 2023 (SCI-Expanded)

### II. A fixed point method for stability of nonlinear Volterra integral equations in the sense of Ulam

Ogrekci S., Bascı Y., MISIR A.

MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.46, no.8, pp.8437-8444, 2023 (SCI-Expanded)

### III. On the Stability Problem of Differential Equations in the Sense of Ulam

- Başçı Y., Mısır A., Öğrekçi S.  
RESULTS IN MATHEMATICS, vol.75, no.1, 2020 (SCI-Expanded)
- IV. On Ulam's type stability criteria for fractional integral equations including Hadamard type singular kernel  
Başçı Y., Öğrekçi S., Mısır A.  
TURKISH JOURNAL OF MATHEMATICS, vol.44, no.4, pp.1498-1509, 2020 (SCI-Expanded)
- V. On Hyers-Ulam Stability for Fractional Differential Equations Including the New Caputo-Fabrizio Fractional Derivative  
Başçı Y., Öğrekçi S., Mısır A.  
MEDITERRANEAN JOURNAL OF MATHEMATICS, vol.16, no.5, 2019 (SCI-Expanded)
- VI. Oscillation and nonoscillation of half-linear Euler type differential equations with different periodic coefficients  
Mısır A., Mermerkaya B.  
OPEN MATHEMATICS, vol.15, pp.548-561, 2017 (SCI-Expanded)
- VII. ON THE OSCILLATION OF SECOND-ORDER NONLINEAR DIFFERENTIAL EQUATIONS WITH DAMPING  
Öğrekçi S., Mısır A., Tiryaki A.  
MISKOLC MATHEMATICAL NOTES, vol.18, no.1, pp.365-378, 2017 (SCI-Expanded)
- VIII. Comparison Results for Nonlinear Equations Involving A-Harmonic Operator  
Mısır A., Tiryaki A.  
MEDITERRANEAN JOURNAL OF MATHEMATICS, vol.13, no.6, pp.4949-4959, 2016 (SCI-Expanded)
- IX. Asymptotic iteration technique for second-order dynamic equations on time scales  
MISIR A., Ogrekci S.  
JOURNAL OF MATHEMATICAL PHYSICS, vol.52, no.4, 2011 (SCI-Expanded)
- X. On the solution of a class of the reduced wave equation and the Riccati differential equation  
Misir A.  
APPLIED MATHEMATICS AND COMPUTATION, vol.216, no.5, pp.1375-1382, 2010 (SCI-Expanded)
- XI. More on the explicit solutions for a second-order nonlinear boundary value problem  
Mısır A., Tiryaki A.  
APPLIED MATHEMATICS LETTERS, vol.21, no.11, pp.1204-1208, 2008 (SCI-Expanded)
- XII. Reducibility and Stability Results for Linear System of Difference Equations  
Tiryaki A., Mısır A.  
ADVANCES IN DIFFERENCE EQUATIONS, 2008 (SCI-Expanded)
- XIII. Far-field patterns for time-harmonic acoustic plane waves in an inhomogeneous medium  
Mısır A.  
APPLIED MATHEMATICS AND COMPUTATION, vol.111, no.2010, pp.103-109, 2000 (SCI-Expanded)

## Articles Published in Other Journals

- I. Ulam type stability of  $\psi$  -Riemann-Liouville fractional differential equations using ( k ,  $\psi$  ) - generalized Laplace transform  
Mısır A., Cengizhan E., Başçı Y.  
Journal of Nonlinear Sciences and Applications, vol.17, no.2024, pp.100-114, 2024 (Peer-Reviewed Journal)
- II. A New Analytic Solution Method For a Class of Generalized Riccati Differential Equations  
Mısır A.  
Universal Journal of Mathematics and Applications, vol.6, no.1, pp.1-6, 2023 (Scopus)
- III. Ulam type stability of second-order linear differential equations with constant coefficients having damping term by using the Aboodh transform  
MISIR A., ÖĞREKÇİ S., BAŞÇI Y.  
PROYECCIONES, vol.41, pp.1475-1505, 2022 (Scopus)
- IV. ON THE HYERS-ULAM STABILITY OF DELAY DIFFERENTIAL EQUATIONS

- Öğrekçi S., Başçı Y., Mısır A.  
MEMOIRS ON DIFFERENTIAL EQUATIONS AND MATHEMATICAL PHYSICS, vol.85, pp.133-142, 2022 (ESCI)
- V. Ulam type stability for conformable fractional differential equations  
Öğrekçi S., Başçı Y., Mısır A.  
RENDICONTI DEL CIRCOLO MATEMATICO DI PALERMO, vol.70, no.2, pp.807-817, 2021 (ESCI)
- VI. A new proof of Gronwall inequality with Atangana- Baleanu fractional derivatives  
Öğrekçi S., Başçı Y., Mısır A.  
Communication in Mathematical Modeling and Applications, vol.5, no.1, pp.1-5, 2020 (Peer-Reviewed Journal)
- VII. Hyers-Ulam-Rassias Stability for Abel-Riccati Type First-Order Differential Equations  
Başçı Y., Öğrekçi S., Mısır A.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.32, no.4, pp.1238-1252, 2019 (ESCI)
- VIII. Critical Oscillation Constant for Euler Type Half-Linear Differential Equation Having Multi-Different Periodic Coefficients  
Mısır A., Mermerkaya B.  
INTERNATIONAL JOURNAL OF DIFFERENTIAL EQUATIONS, vol.2017, 2017 (ESCI)
- IX. An Analytic Approach to Weakly-Singular Integro-Dynamic Equation on Time Scales  
Mısır A.  
International Journal of Discrete Mathematics, vol.1, no.1, pp.20-29, 2016 (Peer-Reviewed Journal)
- X. An Analytic Approach to Weakly-Singular Integro-Dynamic Equation on Time Scales  
Mısır A.  
International Journal of Discrete Mathematics, vol.1, no.1, pp.20-29, 2016 (Peer-Reviewed Journal)
- XI. Critical Oscillation Constant for Half Linear Differential Equations Which Have Different Periodic Coefficients  
Mısır A., Mermerkaya B.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.29, no.1, pp.79-86, 2016 (ESCI)
- XII. Oscillation Criteria for a Class of Second Order Nonlinear Differential Equations  
Mısır A., Öğrekçi S.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.29, no.4, pp.923-927, 2016 (ESCI)
- XIII. Oscillation Theorems for Second-Order Nonlinear Differential Equations  
Mısır A., Öğrekçi S.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.29, no.4, pp.929-935, 2016 (ESCI)
- XIV. On Approximate Solution of First-Order Weakly-Singular Volterra Integro-Dynamic Equation on Time Scales  
Mısır A., Öğrekçi S.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.28, no.4, pp.651-658, 2015 (ESCI)
- XV. On the Solution of Reduced Wave Equation with Damping  
Mısır A.  
COMMUNICATIONS IN MATHEMATICS AND APPLICATIONS, vol.1, no.2, pp.113-122, 2010 (Peer-Reviewed Journal)
- XVI. An Alternative Exact Solution Method for the Reduced Wave Equation with a Variable Coefficient  
Mısır A.  
APPLIED MATHEMATICAL SCIENCES, vol.1, no.2007, pp.2101-2109, 2007 (Peer-Reviewed Journal)
- XVII. On Compact Integral Equation for the Acoustic Scattering Problem in a Penetrable Inhomogeneous Medium  
Mısır A.  
Selçuk Journal of Applied Mathematics, vol.6, no.1, pp.3-12, 2005 (Peer-Reviewed Journal)
- XVIII. Kartezyen koordinatlarda akışkan elemanın yörünge-eğri konumu üzerine Matematiksel bir çalışma  
Mısır A.  
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGİSİ, vol.4, no.3, pp.11-13, 2001 (Peer-Reviewed Journal)
- XIX. Sıkıştırılmayan mükemmel bir akışkanın dönel potansiyel hareketinde kaynak örneği üzerine matematiksel bir çalışma

- Misir A.  
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGİSİ, vol.4, no.3, pp.47-49, 2001 (Peer-Reviewed Journal)
- XX. **A Theoretical study on the circulation created by a matter of conical surface with constant rotational and forward speed submerged in to an incompressible static fluid**  
Misir A.  
Gazi Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.13, no.3, pp.579-587, 2000 (Peer-Reviewed Journal)
- XXI. **On a new approach of the transmission problem in an inhomogeneous spherical medium**  
Misir A.  
Journal of Institute of Science and Technology of Gazi University, vol.11, no.2, pp.473-482, 1998 (Peer-Reviewed Journal)
- XXII. **The acoustic scattering problem in an inhomogeneous medium**  
Misir A.  
Journal of Institute of Science and Technology of Gazi University, vol.11, no.1, pp.1-12, 1998 (Peer-Reviewed Journal)
- XXIII. **The linear transformation of fluid element,motion and deformation in three dimension**  
Misir A.  
Journal of Institute of Science and Technology of Gazi University, vol.9, no.9, pp.193-200, 1996 (Peer-Reviewed Journal)

## Books

- I. **Teori Teknik ve Uygulamalı Diferensiyel Denklemler**  
MISIR A.  
Gazi Kitabevi, 2016

## Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Ulam's type stability for Hadamard type fractional integral equations**  
BAŞCI Y., MISIR A., ÖĞREKÇİ S.  
International Conference on Mathematics and Mathematics Education(ICMME 2019), Selçuk University, Konya, 11 - 13 July 2019, (Summary Text)
- II. **Hyers-Ulam Stability of Delay Differential Equations**  
ÖĞREKÇİ S., BAŞCI Y., MISIR A.  
8TH INTERNATİONAL CONFERENCE ON APPLİED ANALYSİS AND MATHEMATİCAL MODELİNG, 10 - 13 March 2019
- III. **Hyers-Ulam stability for Caputo-Fabrizio type fractional differential equations**  
MISIR A., BAŞCI Y., ÖĞREKÇİ S.  
International Conference on Mathematics and Mathematics Educations-2018, 27 - 29 June 2018
- IV. **On the stability of  $y''(x) = f(x,y(x))$  in the sense of Ulam**  
MISIR A., ÖĞREKÇİ S., BAŞCI Y.  
International Conference on Mathematics and Mathematics Educations-2018, 27 - 29 June 2018
- V. **On The Stability Problem of Differential Equations In The Sense of Ulam**  
ÖĞREKÇİ S., MISIR A., BAŞCI Y.  
7TH INTERNATİONAL CONFERENCE ON APPLİED ANALYSİS AND MATHEMATİICAL MODELİNG, 20 - 24 June 2018
- VI. **Oscillation Criteria For a Class of Second-Order Nonlinear Differential Equations With Damping**  
MISIR A.  
International Conference on Mathematics and Mathematics Education (2017), 11 - 13 May 2017, (Summary Text)
- VII. **Critical Oscillation Constant for Half-Linear Euler Type Differential Equations With Different Periodic Coefficients**

- MISIR A.
- International Conference on Mathematics and Mathematics Education (2017), 11 - 13 May 2017
- VIII. • **Critical Oscillation Constant for Half-Linear Euler Type Differential Equations with Different Periodic Coefficients**  
Misir A.  
International Workshop on Dynamical Systems and Applications, Ankara, Turkey, 28 May - 29 June 2015, pp.5-9
- IX. **Reducibility and stability results for linear system on Time Scales**  
Misir A.  
IX Dinamik Denklemler Çalıştayı, İzmir Univ, İzmir, Turkey, 18 June 2009, pp.23-28
- X. **More on the explicit solutions for a second-order nonlinear boundary value problem**  
Misir A.  
Diferensiyel Denklemler Çalıştayı, Yeditepe Univ., İstanbul, Turkey, 27 June 2008, pp.15-19
- XI. **Alternative Exact Solution Method for the Reduced Wave Equation with a Variable Coefficient**  
Misir A.  
Workshop on Differential Equations and Applications , Ortadoğu Teknik Univ. ( 2007 ) , Ankara, Turkey, 14 April 2007, pp.23-27
- XII. **On compact integral equation for the acoustic scattering problem in a penetrable inhomogeneous medium**  
Misir A.  
1. Ankara Matematik Çalıştayı , Gazi Univ. (2006), Ankara, Turkey, 27 May 2006, pp.1-5
- XIII. **On a new approach of the transmission problem in an inhomogeneous spherical medium**  
Misir A.  
II.Kızılırmak Uluslararası Fen Bilimleri Kongresi (1998), Kırıkkale, Turkey, 20 May 1998, pp.12-16
- XIV. **Zaman-harmonik geçiş (transmission) problemi**  
Misir A.  
Matematik Sempozyumu,Altınolukta Matematik Günler, Balıkesir, Turkey, 23 May 1995, pp.1-6
- XV. **Homogen olmayan ortam için Far-Field Pattern fonksiyonu**  
Misir A.  
Diferensiyel Denklemler Sempozyumu IX, Sakarya, Turkey, 06 July 1995, pp.13-18
- XVI. **Homogen olmayan bir ortamda transmission problemi**  
Misir A.  
Datça, VII.Diferensiyel Denklemler Sempozyumu (1994), Muğla, Turkey, 19 September 1994, pp.33-37

## Metrics

Publication: 53  
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