

Assoc. Prof. İBRAHİM ADALAR

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2013 - 2018

Postgraduate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2011 - 2013

Postgraduate, Sivas Cumhuriyet University, Eğitim Fakültesi, Orta Öğretim Fen ve Matematik Alanlar Eğitimi Bölümü, Turkey 2003 - 2008

Dissertations

Doctorate, Sturm-Liouville operatörünün özdeğerleri ile asal sayılar arasındaki ilişki, Sivas Cumhuriyet University, Matematik (Dr), 2018

Postgraduate, Sturm-Liouville operatörü için ters problemlerin nümerik yöntemlerle çözümü, Sivas Cumhuriyet University, Matematik (YI) (Tezli), 2013

Research Areas

Mathematics, Natural Sciences

Academic Titles / Tasks

Associate Professor, Sivas Cumhuriyet University, Zara Veysel Dursun Uygulamalı Bilimler Yüksekokulu, Sigortacılık ve Risk Yönetimi Bölümü, 2023 - Continues

Assistant Professor, Sivas Cumhuriyet University, Zara Veysel Dursun Uygulamalı Bilimler Yüksekokulu, SİGORTACILIK BÖLÜMÜ, 2018 - 2023

Lecturer, Sivas Cumhuriyet University, Zara Ahmet Çuhadaroğlu Meslek Yüksekokulu, Muhasebe ve Vergi, 2010 - 2018

Courses

Undergraduate

Sigorta Matematiği II, Undergraduate, 2022 - 2023

Olasılık Teorisi II, Undergraduate, 2022 - 2023

Matematik II, Undergraduate, 2022 - 2023

Sigorta Matematiği I, Undergraduate, 2022 - 2023

Olasılık Teorisi I, Undergraduate, 2022 - 2023

Matematik I, Undergraduate, 2022 - 2023

Jury Memberships

Doctorate, Doctorate, Sivas Cumhuriyet Üniversitesi, May, 2024

Post Graduate, Post Graduate, Sivas Cumhuriyet Üniversitesi, August, 2023

Post Graduate, Post Graduate, Sivas Cumhuriyet Üniversitesi, January, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Sivas Cumhuriyet Üniversitesi, January, 2021

Academic Staff Examination, Academic Staff Examination, Sivas Cumhuriyet Üniversitesi, June, 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Reconstruction of the Nonlocal Sturm-Liouville operator with boundary conditions depending on the parameter**
Adalar İ., Özkan A. S.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.53, no.2, pp.314-320, 2024 (SCI-Expanded)
- II. **Inverse nodal problems for Sturm-Liouville equation with nonlocal boundary conditions**
Özkan A. S., Adalar İ.
Journal of Mathematical Analysis and Applications, vol.520, no.1, 2023 (SCI-Expanded)
- III. **Inverse nodal problem for Dirac operator with integral type nonlocal boundary conditions**
Özkan A. S., Adalar İ.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.46, no.1, pp.986-993, 2023 (SCI-Expanded)
- IV. **Spectral Problems for Sturm-Liouville Operator with Eigenparameter Boundary Conditions on Time Scales**
Adalar İ.
Filomat, vol.36, no.8, pp.2519-2529, 2022 (SCI-Expanded)
- V. **Determination of a differential pencil from interior spectral data on a union of two closed intervals**
Adalar İ.
TURKISH JOURNAL OF MATHEMATICS, vol.46, no.1, pp.377-386, 2022 (SCI-Expanded)
- VI. **HOCHSTADT-LIEBERMAN TYPE THEOREMS FOR A DIFFUSION OPERATOR ON A TIME SCALE**
Adalar İ.
QUAESTIONES MATHEMATICAE, vol.45, no.3, pp.485-496, 2022 (SCI-Expanded)
- VII. **Inverse problems for a conformable fractional Sturm-Liouville operator**
Adalar İ., Özkan A. S.
JOURNAL OF INVERSE AND ILL-POSED PROBLEMS, vol.28, no.6, pp.775-782, 2020 (SCI-Expanded)
- VIII. **An interior inverse Sturm-Liouville problem on a time scale**
Adalar İ., Özkan A. S.
ANALYSIS AND MATHEMATICAL PHYSICS, vol.10, no.4, 2020 (SCI-Expanded)
- IX. **Half-inverse Sturm-Liouville problem on a time scale**
Özkan A. S., Adalar İ.
INVERSE PROBLEMS, vol.36, no.2, 2020 (SCI-Expanded)
- X. **EIGENVALUES OF STURM-LIOUVILLE OPERATORS AND PRIME NUMBERS**
Amirov R., Adalar İ.
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **A multi-criteria sustainability performance assessment based on the extended CRADIS method under intuitionistic fuzzy environment: a case study of Turkish non-life insurers**
Işık Ö., Adalar İ.
NEURAL COMPUTING AND APPLICATIONS, vol.37, pp.3317-3342, 2025 (Scopus)
- II. **IRRATIONAL NUMBERS AND STURM-LIOUVILLE PROBLEMS**
ADALAR İ.
Mathematics Student, vol.91, no.3-4, pp.35-41, 2022 (Scopus)
- III. **A Uniqueness Theorem For Inverse Sturm-Liouville Problem**
Adalar İ.
APPLIED MATHEMATICS E-NOTES, vol.21, pp.97-102, 2021 (ESCI)
- IV. **On Mochizuki-Trooshin Theorem for Sturm-Liouville Operators**
ADALAR İ.
Cumhuriyet Science Journal, vol.40, no.1, pp.108-116, 2019 (Peer-Reviewed Journal)
- V. **Eigenvalues of diffusion operators and Prime numbers**
Amirov R., Adalar İ.
CUMHURİYET SCIENCE JOURNAL, vol.38, no.3, pp.488-491, 2017 (Peer-Reviewed Journal)
- VI. **GENELLEŞTİRİLMİŞ EULER SABİTİ İLE ARDIŞIK ASALLAR ARASINDAKİ İLİŞKİ**
Adalar İ.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.25, pp.479-489, 2009 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

- I. **An Inverse Nodal Problem For Sturm-Liouville Operator With Integral-Type Nonlocal Boundary Condition**
Adalar İ.
International Dumlupınar Science and Mathematics Congress, Kütahya, Turkey, 5 - 07 September 2022, pp.308-309
- II. **A Half-Inverse Problem for a Quadratic Pencil of Sturm-Liouville Operator with Eigenparameter Dependent Boundary Condition**
Adalar İ.
5th International Conference on Computational Mathematics and Engineering Sciences, Van, Turkey, 8 - 10 June 2021, pp.85
- III. **A Uniqueness Theorem for a Diffusion Operator with the Spectral Parameter in Boundary Conditions on a Compact Set**
Adalar İ.
7th IFS and Contemporary Mathematics Conference, Mersin, Turkey, 25 - 29 May 2021, pp.155
- IV. **INVERSE PROBLEM FOR A FRACTIONAL STURM-LIOUVILLE OPERATOR WITH THE SYMMETRIC POTENTIAL**
Adalar İ.
2ND INTERNATIONAL CONGRESS ON MATHEMATICS AND GEOMETRY, Ankara, Turkey, 20 May 2021, pp.212-213
- V. **Inverse-Nodal Problem for a Discontinuous Sturm-Liouville Operator**
Adalar İ.
International Congress of Engineering and Natural Sciences Studies, Ankara, Turkey, 7 - 09 May 2021, pp.121
- VI. **Ambarzumyan's theorem with eigenparameter in the boundary conditions on closed sets**
Adalar İ.
4th INTERNATIONAL CONFERENCE ON MATHEMATICS "An Istanbul Meeting for World Mathematicians", İstanbul, Turkey, 27 - 30 October 2020, pp.215
- VII. **AMBARZUMYAN-TYPE THEOREM FOR CONFORMABLE STURM-LIOUVILLE PROBLEM**
Adalar İ.
7th International Congress on Fundamental and Applied Sciences, Priştine, Kosovo, 06 October 2020, pp.46

Peer Reviews in Scientific Publications

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, Journal Indexed in SCI-E, November 2024
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, Journal Indexed in SCI-E, May 2024
AIMS MATHEMATICS, SCI Journal, January 2024
BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY, Journal Indexed in SCI-E, October 2023
SOFT COMPUTING, Journal Indexed in SCI-E, August 2023
FILOMAT, Journal Indexed in SCI-E, July 2022
FILOMAT, Journal Indexed in SCI-E, March 2022
Palestine Journal of Mathematics, Other Indexed Journal, August 2021
APPLIED MATHEMATICS-A JOURNAL OF CHINESE UNIVERSITIES SERIES B, Journal Indexed in SCI-E, May 2021
Applied Mathematics in Science and Engineering, Journal Indexed in SCI-E, April 2021
Cumhuriyet Science Journal, National Scientific Refreed Journal, January 2021
BULLETIN OF THE IRANIAN MATHEMATICAL SOCIETY, Journal Indexed in SCI-E, November 2020
Cumhuriyet Science Journal, National Scientific Refreed Journal, September 2020
Cumhuriyet Science Journal, National Scientific Refreed Journal, December 2019

Metrics

Publication: 23
Citation (WoS): 44
Citation (Scopus): 45
H-Index (WoS): 4
H-Index (Scopus): 4

Awards

Adalar İ., Yayın Teşvik, Tübitak, December 2024
Adalar İ., Yayın Teşvik, Tübitak, December 2023
Adalar İ., Yayın Teşvik, Tübitak, October 2023
Adalar İ., Yayın Teşvik, Tübitak, December 2022
Adalar İ., Yayın Teşvik, Tübitak, March 2021
Adalar İ., Yayın Teşvik, Tübitak, October 2020
Adalar İ., Yayın Teşvik, Tübitak, June 2020
Adalar İ., Yayın Teşvik, Tübitak, December 2017