Asst. Prof. GÜLİSTAN İSKENDEROĞLU

Personal Information

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International Researcher IDs
ScholarID: EP6OKAEAAAAJ
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Publons / Web Of Science ResearcherID: AAK-1792-2020
ScopusID: 57215083412
Yoksis Researcher ID: 343541

Education

Doctorate, Istanbul Commerce University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey
2013 - 2020
Postgraduate, L.N. Gumilev Avrasya Devlet Üniversitesi, Mechanics and Mathematics Faculty,
Department of Fundamental Mathematics, Kazakhstan 2011 - 2013
Undergraduate, Kuzey Kazakistan Devlet Üniversitesi, Faculty of Information Technologies,
Mathematics, Kazakhstan 2007 - 2011

Foreign Languages

English, C1 Advanced
Russian, C2 Mastery

Research Areas

Differential Equations, Topological Groups, Lie Groups

Academic Positions

Assistant Professor, Istanbul Commerce University, İnsan ve Toplum Bilimleri Fakültesi, Matematik Bölümü, 2022 -
Continues
Lecturer PhD, Istanbul Commerce University, Mimarlık ve Tasarım Fakültesi, Mimarlık Bölümü, 2020 - 2022
Lecturer PhD, Istanbul Sabahattin Zaim University, 2020 - 2022
Research Assistant, L.N. Gumilev Avrasya Devlet Üniversitesi, 2012 - 2013

Courses

Undergraduate
Bitirme Projesi, Undergraduate, 2023 - 2024
Kompleks Analiz 2, Undergraduate, 2023 - 2024

Reel Analiz 1, Undergraduate, 2023 - 2024

Matematik 2, Undergraduate, 2023 - 2024

Analitik Geometri, Undergraduate, 2023 - 2024

Matematik 1, Undergraduate, 2023 - 2024

Topoloji 1, Undergraduate, 2023 - 2024

Kompleks Analiz 1, Undergraduate, 2023 - 2024

Kompleks Analiz 2, Undergraduate, 2022 - 2023

Soyut Matematik, Undergraduate, 2023 - 2024

Topoloji 1, Undergraduate, 2022 - 2023

Kompleks Analiz 1, Undergraduate, 2022 - 2023

Reel Analiz 1, Undergraduate, 2022 - 2023

Matematik 2, Undergraduate, 2021 - 2022

Topoloji 1, Undergraduate, 2021 - 2022

Matematik 1, Undergraduate, 2021 - 2022

Matematik 2, Undergraduate, 2020 - 2021

Matematik, Undergraduate, 2020 - 2021

Matematik 1, Undergraduate, 2020 - 2021

Supervised Theses

GÜLİSTAN İ., Probabilistic seismic hazard assessment of southeastern Kazakhstan with application of GIS technologies, Doctorate, A.KUDABAYEVA(Student), Continues

Jury Memberships

Doctorate, Doctorate, İstanbul Ticaret Üniversitesi, February, 2023

Journal articles indexed in SCI, SSCI, and AHCI

I. **Application of some nonclassical methods for p-defocusing complex Klein–Gordon equation**
Yokus A., İSKENDEROĞLU G., KAYA D.
Optical and Quantum Electronics, vol.55, no.5, 2023 (SCI-Expanded)

II. **Chirped self-similar pulses and envelope solutions for a nonlinear Schrödinger's in optical fibers using Lie group method**
İSKENDEROĞLU G., KAYA D.
Chaos, Solitons and Fractals, vol.162, 2022 (SCI-Expanded)

III. **Symmetry analysis of initial and boundary value problems for fractional differential equations in Caputo sense**
İSKENDEROĞLU G., KAYA D.
Chaos, Solitons and Fractals, vol.134, 2020 (SCI-Expanded)

IV. **Lie group analysis for initial and boundary value problem of time-fractional nonlinear generalized KdV partial differential equation**
KAYA D., İSKENDEROĞLU G.
Turkish Journal of Mathematics, vol.43, no.3, pp.1263-1275, 2019 (SCI-Expanded)

Articles Published in Other Journals

I. **Lie symmetry analysis of Caputo time-fractional K(m,n) model equations with variable coefficients**

İskenderoğlu G., Kaya D.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.42, no.3, pp.885-899, 2024 (ESCI)

II. **Symmetry Analysis and Conservation Laws of the Boundary Value Problems for Time-Fractional Generalized Burgers' Differential Equation**

ISKENDEROGLU G., KAYA D.

Fundamental journal of mathematics and applications (Online), vol.2, no.2, pp.139-147, 2019 (Peer-Reviewed Journal)

III. **ON LIE GROUP ANALYSIS OF BOUNDARY VALUE PROBLEM WITH CAPUTO FRACTIONAL DERIVATIVE**

İskenderoğlu G., Kaya D.

Sigma Journal of Engineering and Natural Sciences, vol.10, pp.369-376, 2019 (Scopus)

IV. **Symmetry solution on fractional equation**

ISKANDAROVA G., KAYA D.

An International Journal of Optimization and Control: Theories & Applications (IJOCTA), vol.7, no.3, pp.255-259, 2017 (Peer-Reviewed Journal)

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Euler-Bernoulli beam equation: invariant equations and solutions**

İSKENDEROĞLU G., KAYA D.

ICAAM 2022, Turkey, 31 October - 06 November 2022, (Summary Text)

II. **On Lie group analysis of boundary value problem with Caputo fractional derivative**

İSKENDEROĞLU G., KAYA D.

ICOMAA 2019, Turkey, 3 - 05 May 2019, (Summary Text)

III. **Symmetry Analysis and Conservation Laws of the Boundary Value Problems for Time-Fractional Generalized Burgers' Differential Equation**

ISKANDAROVA G., KAYA D.

ICAA 2018, Turkey, 11 - 14 September 2018, (Summary Text)

IV. **An application for time-fractional K(m,m) model equations by symmetry method**

ISKANDAROVA G., KAYA D.

ICAAM 2018, Cyprus (Kktc), 6 - 09 September 2018, (Summary Text)

V. **Lie Group Analysis and Galilean Group Analysis for Partial Differential Equations**

ISKANDAROVA G., KAYA D.

ICOMAA 2018, Turkey, 11 - 13 May 2018, (Summary Text)

VI. **Symmetry solution on fractional equation**

ISKANDAROVA G., KAYA D.

CMES-2017, Turkey, 20 - 22 May 2017, (Full Text)

VII. **Group analysis method for time-fractional nonlinear generalized Burgers differential equation**

İSKENDEROĞLU G., KAYA D.

SDEA-III, Turkey, 14 - 17 August 2017, (Summary Text)

VIII. **Nikolskii's inequality for Net spaces**

ISKANDAROVA G.

International scientific conference of students, graduate students and young scientists "Lomonosov-2013", Kazakhstan, 24 - 26 May 2013, vol.1, pp.1, (Full Text)

IX. **Various metrics inequality in Net spaces**

ISKANDAROVA G.

V Republican Student Scientific Conference on mathematics, mechanics and computer science, 2013, Kazakhstan, 18 - 21 April 2013, (Full Text)

Funded Projects

Iskenderoğlu G., TUBITAK Project, Analysis of Dynamic and Topological Symmetries in Next Generation Neural Population Models, 2024 - 2025

İskenderoğlu G., Project Supported by Other Official Institutions, Lineer Olmayan Kısmi diferansiyel denklemler için Klasik Dönüşüm Yöntemleri ve Uygulamaları, 2018 - 2019

Peer Reviews in Scientific Publications

FRACTALS, SCI Journal, April 2020

Scholarships

Türkiye Bursları, Other Government Agencies, 2013 - 2019

Targeted Grants and Scholarships, Official Institutions of Foreign Countries, 2011 - 2013

State Scholarship, Official Institutions of Foreign Countries, 2007 - 2011