

Senior Lecturer Afaq Məmmədova

Şəxsi məlumat

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Beynəlxalq Tədqiqatçı identifikatorları

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Publons / Web Of Science ResearcherID: AAN-7935-2021

ScopusID: 57201946520

Təhsil Məlumatı

Doctorate, Azərbaycan Bilimler Akademisi, Institute of Mathematics, Differential equations, Azerbaijan 2012 - 2017

Associate Degree, Gence Devlet Üniversitesi, Faculty of Mathematics and Computer Science, Mathematical Analysis, Azerbaijan 2008 - 2010

Undergraduate, Bakü Devlet Üniversitesi, Mechanics-Mathematics faculty, Mathematics, Azerbaijan 1996 - 2000

Xarici Dillər

English, B1 Intermediate

Russian, C2 Mastery

Turkish, B2 Upper Intermediate

Sertifikatlar, Kurslar və Təlimlər

Vocational Training, Shorten your path to publication: Researcher insights from submission to rejection (60 minutes), Researcher Academy researcheracademy.com Certificate of Completion, 2024

Vocational Training, How to find a journal to publish scientific article, Researcher Academy On Campus Certificate of Attendance, 2021

Vocational Training, Distant təhsildə tədrisin təşkili və metodiki təminatı, UNEC, 2020

Vocational Training, Особенности преподавания дисциплин «Линейная алгебра» и «Математический анализ» в НИУ ВШЭ, School of Economics HSE University, 2020

Dissertasiya

Doctorate, ON THE INVERSE PROBLEM OF SCATTERING THEORY FOR THE GROWING POTENTIAL OF THE STURM - LIOUVILLE OPERATOR, Azərbaycan Bilimler Akademisi, Mexanika və Riyaziyyat İnstitutu, Riyaziyyat İnstitutu, 2017

Elmi tədqiqat sahələri

Mathematics, Multivariate Complex Functions and Analytic Spaces, Differential Equations, Sequences, Series, Summability, Functional Equations, Functional Analysis, Fourier Analysis, General Mathematics, Real Functions, Global

Analysis, Analysis on Manifolds, Integral Equations, Integral Transformations, Computational Calculation, Functions of a Complex Variable, Partial Differential Equations, Mathematics Education, Probability Theory, Stochastic Processes, Operators, Measure and Integration, Numerical Analysis

Akademik Vəzifələr / Tapşırıqlar

Senior Lecturer, Azerbaijan State University of Economics (UNEC), İqtisadiyyat Və İdarəetmə Fakültəsi, Riyaziyyat Və Statistika Kafedrası, 2018 - Continues

Senior Lecturer, Gence Devlet Üniversitesi, Faculty of Mathematics and Computer Science, Department of Mathematical Analysis, 2011 - 2018

Senior Lecturer, Gence Devlet Üniversitesi, Faculty of Mathematics and Computer Science, Department of Applied Mathematics, 2010 - 2011

Research Assistant, Azərbaycan Kent Tasarrufatı Akademisi, Faculty of Mechanization and Electrification, Department of Mathematics and Physics, 2000 - 2010

SCI, SSCI və AHCI tərəfindən indekslənmiş dərc edilmiş jurnal məqalələri

- I. **A Remark on the Inverse Scattering Problem for the Perturbed Hill Equation**
Khanmamedov A. K., Mamedova A.
MATHEMATICAL NOTES, vol.112, no.1-2, pp.281-285, 2022 (SCI-Expanded)
- II. **Inverse Scattering Problem For The Schrödinger Equation With An Additional Quadratic Potential On The Entire Axis**
Guseinov I., Khanmamedov A., Mamedova A.
THEORETICAL AND MATHEMATICAL PHYSICS, vol.195, pp.538-547, 2018 (SCI-Expanded)

Digər jurnallardakı nəşrlər

- I. **TRANSFORMATION OPERATORS FOR THE PERTURBED HILL EQUATION WITH COMPLEX COEFFICIENTS**
Khanmamedov A., Mamedova A.
Advanced Mathematical Models and Applications, vol.9, no.1, pp.27-34, 2024 (Scopus)
- II. **SCATTERING PROBLEM OF THE PERTURBED AIRY EQUATION ON A HALF-AXIS**
Huseynov H. M., Mamedova A.
PROCEEDINGS OF THE INSTITUTE OF MATHEMATICS AND MECHANICS, vol.49, no.2, pp.268-274, 2023 (ESCI)
- III. **THE RIEMANN FUNCTION OF THE CAUCHY PROBLEM FOR A SECOND-ORDER HYPERBOLIC EQUATION WITH A PERIODIC COEFFICIENT**
Məmmədova A.
Advanced Mathematical Models & Applications, vol.4, no.V7, pp.44-47, 2022 (Scopus)
- IV. **One Remark on the Transformation Operator for Perturbed Hill Operators**
Məmmədova A.
AZERBAIJAN JOURNAL OF MATHEMATICS, vol.12, no.1, pp.211-214, 2022 (Scopus)
- V. **The zeros of modified bessel functions as functions of their order**
Məmmədova A., Khanmamedov A.
Transactions Issue Mathematics, Azerbaijan National Academy of Sciences, vol.41, pp.133-137, 2021 (Scopus)
- VI. **A NOTE ON THE SCHRÖDINGER OPERATOR WITH EXPONENTIAL POTENTIAL.**
Məmmədova A.
Proceedings of the Institute of Mathematics and Mechanics, vol.47, no.1, pp.156-161, 2021 (Scopus)
- VII. **Обратная задача рассеяния для одномерного оператора Шредингера с дополнительным**

линейным потенциалом

Мəммədova A.

Proceedings of the Institute of Applied Mathematics, vol.6, no.1, pp.48-53, 2017 (Peer-Reviewed Journal)

VIII. **К Спектральной Теории Одномерного Уравнения Шредингера с Бесконечно Растущим Потенциалом Типа Ступеньки**

Мəммədova A.

Journal of Contemporary Applied Mathematics-ISSN: 2222-5498, vol.7, no.1, pp.56-61, 2017 (Peer-Reviewed Journal)

IX. **ON THE SCATTERING THEORY OF ONE-DIMENSIONAL SCHRODINGER EQUATION WITH INFINITELY GROWING POTENTIAL**

Мəммədova A.

Series of PHYSICO-MATHEMATICAL SCIENCES, no.3, pp.28-35, 2017 (Peer-Reviewed Journal)

X. **Обратная задача теории рассеяния для растущего потенциала оператора Штурма-Лиувилля**

Мəммədova A.

AMEA Riyaziyyat İnstitutu, vol.2, no.1, pp.82-86, 2017 (Peer-Reviewed Journal)

Kitablar və Kitab Fəsiləri

I. **Mathematical Analysis 1**

Мəммədova A.

UNEC, Baku, 2023

Göstəricilər

Nəşr: 13

İstinad (WoS): 10

İstinad (Scopus): 14

H-indexi (WoS): 2

H-indexi (Scopus): 2