

Res. Asst. PhD Fatma Zürnacı Yetiş

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAD-4804-2019

ScopusID: 57202018175

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Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Turkey 2015 - 2022

Dissertations

Doctorate, Non-polynomial B-spline functions, Dokuz Eylul University, Fen Bilimleri Enstitüsü, 2022

Postgraduate, Convergence analysis and numerical solutions of the Fisher's and Benjamin-Bona-Mahony equations by operator splitting method, Izmir Institute Of Technology, 2014

Research Areas

Numerical Analysis

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Fen-Edebiyat, Matematik Mühendisliği, 2018 - Continues

Courses

Mathematics I, Undergraduate, 2022 - 2023

Mathematical Engineering Design I, Undergraduate, 2022 - 2023

Mathematical Engineering Design II, Undergraduate, 2023 - 2024

Mathematics II, Undergraduate, 2023 - 2024

Engineering Mathematics, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

1. Relationships Between Identities for Quantum Bernstein Bases and Formulas for Hypergeometric Series

Zurnaci F., Goldman R., Simeonov P.

FILOMAT, vol.34, no.8, pp.2485-2494, 2020 (SCI-Expanded)

II. On the convergence of operator splitting for the Rosenau-Burgers equation

Zürnaci F., SEYDAOĞLU M.

NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, vol.35, no.4, pp.1363-1382, 2019 (SCI-Expanded)

III. Non-polynomial divided differences and B-spline functions

Zurnaci F., Disibuyuk C.

JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.349, pp.579-592, 2019 (SCI-Expanded)

IV. Convergence analysis and numerical solution of the Benjamin-Bona-Mahony equation by Lie-Trotter splitting

Zurnaci F., Gucuyenen Kaymak N., Seydaoglu M., Tanoglu G.

TURKISH JOURNAL OF MATHEMATICS, vol.42, no.3, pp.1471-1483, 2018 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. Hipergeometrik Seri Özdeşliklerinin Kuantum Bölünmüş Farklar ile İspatı

ZÜRNACI YETİŞ F., DİŞİBÜYÜK N. B.

35. Ulusal Matematik Sempozyumu, Edirne, Turkey, 4 - 08 September 2023

II. Non-polynomial Divided Differences and Generalized Taylor Series

ZÜRNACI F., DİŞİBÜYÜK Ç.

Approximation Theory 16, 19 - 22 May 2019

III. Generalized Taylor Series

ZÜRNACI F., DİŞİBÜYÜK Ç.

2019 AWM Research Symposium, 6 - 07 April 2019

IV. Non Polynomial Divided Differences and B-Splines

ZÜRNACI F., DİŞİBÜYÜK Ç.

Second Conference on Subdivision, Geometric and Algebraic Methods, Isogeometric Analysis and Refinability in Italy, 17 September - 21 July 2017

V. Non Polynomial B-splines

ZÜRNACI F., DİŞİBÜYÜK Ç.

The 8th International Workshop on Differential Equations and Applications, 2 - 04 June 2017

VI. On the Lie-Trotter and Strang Splitting Methods for Rosenau-Burgers Equation

ZÜRNACI YETİŞ F., SEYDAOĞLU M.

III. Kadın Matematikçiler Çalıştayı, İzmir, Turkey, 27 - 29 May 2016

VII. Convergence analysis and numerical solution of Benjamin-Bona-Mahony equation by Lie-Trotter splitting

ZÜRNACI YETİŞ F., GÜCÜYENEN KAYMAK N., SEYDAOĞLU M., TANOĞLU G.

International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2014), Antalya, Turkey, 6 - 09 November 2014

Supported Projects

Zürnaci Yetiş F., Project Supported by Higher Education Institutions, Polinom olmayan bölünmüş farklar ve tomurcuklanma, 2023 - 2024

Scientific Refereeing

Journal of Advanced Mathematics and Mathematics Education, National Scientific Refreed Journal, February 2024

Contemporary Mathematics (CM) , Journal Indexed in ESCI, June 2021
Engineering Computations, SCI Journal, February 2020

Metrics

Publication: 11
Citation (WoS): 9
Citation (Scopus): 9
H-Index (WoS): 2
H-Index (Scopus): 2

Scholarships

2211 National PhD Scholarship Program, TUBITAK, 2014 - 2022
2214-A International Research Fellowship Programme for PhD Students, TUBITAK, 2019 - 2019