Asst. Prof. Nazlı KADIOĞLU KARACA

Personal Information

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International Researcher IDs
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Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Matematik, Turkey 2011 - 2017
Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Matematik, Turkey 2009 - 2011
Undergraduate, Inonu University, Fen Edebiyat Fakültesi, Matematik, Turkey 2004 - 2009

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, BANACH UZAYLARDA OPERATÖR DENKLEMLERİN ÇÖZÜMLERİ İÇİN YENİ YAKLAŞIM METOTLARI , Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, 2017
Postgraduate, LİNEER OLMAYAN KUADRATİK VOLTERRA İNTEGRAL DENKLEMLERİN MONOTON ÇÖZÜMLERİ, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, 2011

Research Areas

Mathematics, Functional Analysis, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Ataturk University, Fen Fakültesi, Matematik, 2018 - Continues
Research Assistant, Ataturk University, Fen Fakültesi, Matematik, 2011 - 2018

Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Ataturk University, Fen Fakültesi, Matematik, 2019 - 2022
Deputy Head of Department, Ataturk University, Fen Fakültesi, Matematik, 2020 - 2021

Courses

Postgraduate
İLERİ ANALİZ II, Postgraduate, 2023 - 2024
İleri Analiz I, Postgraduate, 2021 - 2022
Undergraduate
Fourier Analizi, Undergraduate, 2022 - 2023
Genel Matematik I, Undergraduate, 2023 - 2024
Özel Fonksiyonlar, Undergraduate, 2023 - 2024
Matematik I, Undergraduate, 2023 - 2024
Matematik, Undergraduate, 2021 - 2022
Differential Equations, Undergraduate, 2021 - 2022
Matematik Tarihi ve Felsefesi, Undergraduate, 2020 - 2021
Matematik, Undergraduate, 2021 - 2022
Differential Equations, Undergraduate, 2021 - 2022
Matematik II, Undergraduate, 2020 - 2021, 2019 - 2020
Matematik I, Undergraduate, 2019 - 2020, 2018 - 2019
Analiz I, Undergraduate, 2018 - 2019
Matematik, Undergraduate, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Approximation of fixed points for a new class of generalized non-expansivmappings in Banach spaces**
Abdeljawad T., Karaca N., YILDIRIM İ., Mukheimer A.
AIMS Mathematics, vol.9, no.5, pp.11958-11974, 2024 (SCI-Expanded)

II. **On the convergence and data dependence results for multistep Picard-Mann iteration process in the class of contractive-like operators**
YILDIRIM İ., ABBAS M., KARACA N.
Journal of Nonlinear Science and Applications, vol.9, no.6, pp.3773-3786, 2016 (SCI-Expanded)

III. **On the convergence of an iteration method for continuous mappings on an arbitrary interval**
KADIOĞLU N., YILDIRIM İ.
FIXED POINT THEORY AND APPLICATIONS, 2013 (SCI-Expanded)

Articles Published in Other Journals

I. **PARALLEL ITERATION METHODS WITH APPLICATION TO VARIATIONAL INEQUALITY PROBLEMS**
CAN Y. B., KADIOĞLU KARACA N., YILDIRIM İ.
Romanian Journal of Mathematics and Computer Science, 2024 (Peer-Reviewed Journal)

II. **On approximating fixed points of a new class of generalized nonexpansive mappings in uniformly convex hyperbolic space**
kadioglu n.
Manas Journal of Engineering, vol.11, no.2, pp.223-228, 2023 (Peer-Reviewed Journal)

III. **Convergence of the S-iteration process for the multi-valued generalized ($\alpha - \beta$)-nonexpansive mappings in Banach spaces**
Kadıoğlu Karaca N.
International Journal of Nonlinear Analysis and Applications, vol.14, no.1, pp.2007-2018, 2023 (Peer-Reviewed Journal)

IV. **Fixed Point Theorem for Reich Contraction Mapping in Convex b-Metric Spaces**
KARACA N., YILDIRIM İ.
The Aligarh Bulletin of Mathematics (TABMATHS), 2021 (Peer-Reviewed Journal)

V. **A CONVERGENCE ANALYSIS OF THREE-STEPNEWTON-LIKE METHOD UNDER WEAK CONDITIONS INBANACH SPACES**
KARACA N., YILDIRIM İ.
Bulletin of the Transilvania University of Brasov, 2017 (Peer-Reviewed Journal)

VI. **Convergence of a Newton-like S-iteration process in R**
KARACA N., ABBAS M., YILDIRIM İ.
Creative Mathematics and Informatics, 2017 (Peer-Reviewed Journal)

VII. **APPROXIMATING FIXED POINTS OF NONEXPANSIVE MAPPINGSBY A FASTER ITERATION PROCESS**
KARACA N., YILDIRIM İ.
Journal of Advanced Mathematical Studies, 2015 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

I. **Fixed Point Theorems for a New Class Of Generalized Nonexpansive Mappings in Banach Spaces**
Kadıoğlu Karaca N., Yıldırım İ.
The Seventh International Conference on Computational Mathematics and Engineering Sciences (CMES-2023), Elazığ, Turkey, 20 - 21 May 2023, pp.145

II. **SOME CONVERGENCE RESULTS FOR A NEW GENERALIZED NONEXPANSIVE MAPPINGS IN UNIFORMLY CONVEX HYPERBOLIC SPACE**
Karaca N.
The Sixth International Conference on Computational Mathematics and Engineering Sciences (CMES-2022), Ordu, Turkey, 20 - 22 May 2022, pp.129

III. **Generalized alpha-beta Nonexpansive Multivalued Mappings and its Properties**
Yıldırım İ., Karaca N.
1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021), 10 September 2021

IV. **On the Local and Semi-Local Convergence of a New Newton-Like Method in Banach Spaces**
KARACA N., YILDIRIM İ.
4th International Conference on Pure and AppliedSciences: Renewable Energy, İstanbul, Turkey, 23 - 25 November 2017

V. **Polynomiography Via Different Iterative Methods**
KARACA N., YILDIRIM İ.
4th International Conference on Pure and AppliedSciences: Renewable Energy, İstanbul, Turkey, 23 - 25 November 2017

VI. **A FIXED POINT PROOF OF THE CONVERGENCE OF A NEWTON LIKE METHOD OBTAINED BY THE NORMAL S ITERATION PROCESS**
KARACA N., YILDIRIM İ.
International Conference on Analysis and Its Applications (ICAA-2016), 12 - 15 July 2016

VII. **Existence of Coupled Fixed Point for Kannan and Chatterjea-Type Contractions**
KARACA N., YILDIRIM İ.
28. Ulusal Matematik Sempozyumu, Turkey, 7 - 09 September 2015

VIII. **Approximating Fixed Points of Nonexpansive Mappings by a Faster Iteration Process**
KADIOĞLU N., YILDIRIM İ.
Algerian-Turkish International days on Mathematics, 12 - 14 September 2013

IX. **On the Convergence of an Iteration Method for Continuous Mappings on an Arbitrary Interval**
KADIOĞLU N., YILDIRIM İ.
International Congress in Honour of Professor H. M. Srivastava, 23 - 26 August 2012

Supported Projects

YILDIRIM İ., ÖZDEMİR M., KARACA N., Project Supported by Higher Education Institutions, BANACH UZAYLARINDA LİNEER OLMAYAN DENKLEMLERİN ÇÖZÜMÜ İÇİN GENELLEŞTİRİLMİŞ NEWTON METOTLARI VE BU METOTLAR YOLUYLA BAZI POLİNOMGRAFİLER, 2016 - 2018

Metrics

Publication: 19
Citation (WoS): 5
Citation (Scopus): 10
H-Index (WoS): 2
H-Index (Scopus): 2