

Asst. Prof. Nazlı KADIOĞLU KARACA

Personal Information

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International Researcher IDs

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Yoksis Researcher ID: 49263

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

İLERİ ANALİZ II, Postgraduate, 2023 - 2024
Fourier Analizi, Undergraduate, 2022 - 2023
Genel Matematik I, Undergraduate, 2023 - 2024
Özel Fonksiyonlar, Undergraduate, 2023 - 2024
Matematik I, Undergraduate, 2023 - 2024
İleri Analiz I, Postgraduate, 2021 - 2022
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-expansiv mappings 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**
Kadioğlu 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-STEP NEWTON-LIKE METHOD UNDER WEAK CONDITIONS IN BANACH 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 MAPPINGS BY A FASTER ITERATION PROCESS**

KARACA N., YILDIRIM İ.

Journal of Advanced Mathematical Studies, 2015 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Fixed Point Theorems for a New Class Of Generalized Nonexpansive Mappings in Banach Spaces**
Kadioğlu 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 Applied Sciences: Renewable Energy, İstanbul, Turkey, 23 - 25 November 2017
- V. **Polynomiography Via Different Iterative Methods**
KARACA N., YILDIRIM İ.
4th International Conference on Pure and Applied Sciences: 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

Metrics

Publication: 19

Citation (WoS): 5

Citation (Scopus): 10

H-Index (WoS): 2

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