

Asst. Prof. Nazlı KARACA

Personal Information

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Education Information

Doctorate, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, Turkey 2011 - 2017

Postgraduate, İnönü Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, Turkey 2009 - 2011

Undergraduate, İnönü Üniversitesi, 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 - Continues

Deputy Head of Department, Ataturk University, Fen Fakültesi, Matematik, 2020 - 2021

Courses

Differential Equations, Undergraduate, 2021 - 2022

Matematik Tarihi ve Felsefesi, Undergraduate, 2020 - 2021

Differential Equations, Undergraduate, 2021 - 2022
Matematik II, Undergraduate, 2019 - 2020, 2020 - 2021
Matematik I, Undergraduate, 2018 - 2019, 2019 - 2020
Analiz I, Undergraduate, 2018 - 2019
Matematik, Undergraduate, 2019 - 2020

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

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

Articles Published in Other Journals

- I. **Fixed Point Theorem for Reich Contraction Mapping in Convex b-Metric Spaces**
KARACA N., YILDIRIM İ.
The Aligarh Bulletin of Mathematics (TABMATHS), 2021 (Refereed Journals of Other Institutions)
- II. **Convergence of a Newton-like S-iteration process in R**
KARACA N., ABBAS M., YILDIRIM İ.
Creative Mathematics and Informatics, 2017 (Refereed Journals of Other Institutions)
- III. **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 (Refereed Journals of Other Institutions)
- IV. **APPROXIMATING FIXED POINTS OF NONEXPANSIVE MAPPINGS BY A FASTER ITERATION PROCESS**
KARACA N., YILDIRIM İ.
Journal of Advanced Mathematical Studies, 2015 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

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

V. Existence of Coupled Fixed Point for Kannan and Chatterjea-Type Contractions

KARACA N., YILDIRIM İ.

28. Ulusal Matematik Sempozyumu, Turkey, 7 - 09 September 2015

VI. 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

VII. 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

Citations

Total Citations (WOS):5

h-index (WOS):2