

Res. Asst. PhD CEM ÇELİK

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-2784-2011

ScopusID: 54406609300

Yoksis Researcher ID: 50206

Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2009 - 2016

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2007 - 2009

Undergraduate, Pamukkale University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 2003 - 2007

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Numerical solutions of initial and boundary value problems for space-fractional diffusion equations, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2016

Postgraduate, Solutions of dynamical systems, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2009

Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Computer Learning, Neural Networks, Differential Equations, Partial Differential Equations, Numerical Analysis

Academic Titles / Tasks

Research Assistant, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, 2012 - Continues

Research Assistant, Dokuz Eylul University, Fen Bilimleri Enstitüsü, 2007 - 2012

Academic and Administrative Experience

Member of IT Commission, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, 2022 - 2024

Courses

MATHEMATICS FOR MACHINE LEARNING I, Undergraduate, 2023 - 2024

Açık Kaynak Yazılım Geliştirme, Undergraduate, 2023 - 2024

Matematik I, Undergraduate, 2022 - 2023

Algorithms and Programming, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Finite element method for a symmetric tempered fractional diffusion equation**
ÇELİK C., DUMAN M.
APPLIED NUMERICAL MATHEMATICS, vol.120, pp.270-286, 2017 (SCI-Expanded)
- II. **Crank-Nicolson method for the fractional diffusion equation with the Riesz fractional derivative**
ÇELİK C., DUMAN M.
JOURNAL OF COMPUTATIONAL PHYSICS, vol.231, no.4, pp.1743-1750, 2012 (SCI-Expanded)

Scientific Refereeing

JOURNAL OF COMPUTATIONAL PHYSICS, SCI Journal, November 2021

Mobility Activity

Post Doc, Post Doc, Brown University, United States Of America, 2021 - 2021

Metrics

Publication: 2

Citation (WoS): 354

Citation (Scopus): 403

H-Index (WoS): 2

H-Index (Scopus): 2

Invited Talks

İzmir Mathematics Days 2024, Workshop, Yaşar Üniversitesi, Turkey, September 2024