

Asst. Prof. MUSA EMRE KAVGACI

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2014 - 2020

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2012 - 2014

Undergraduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 2006 - 2010

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Other, Pedagojik Formasyon, Ankara Üniversitesi, 2010

Dissertations

Doctorate, İntegro fark denklemlerinin zayıf lineer olmayan analizi, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2020

Postgraduate, Fark denklemlerinde sınır değer problemleri, Ankara University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2014

Research Areas

Mathematics, Differential Equations, Functional Equations, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2023 - Continues

Research Assistant, Ankara University, Fen Fakültesi, Matematik Bölümü, 2011 - 2023

Courses

Mathematics II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
Diferensiyel Denklemler, Undergraduate, 2023 - 2024
Lineer Cebir, Undergraduate, 2023 - 2024
Calculus II, Undergraduate, 2022 - 2023, 2021 - 2022
Calculus II, Undergraduate, 2022 - 2023, 2021 - 2022
Matematik II, Undergraduate, 2022 - 2023, 2021 - 2022
Differential Equations, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
Differential Equations, Undergraduate, 2022 - 2023
Matematik I, Undergraduate, 2022 - 2023, 2021 - 2022
Temel Matematik, Undergraduate, 2022 - 2023
Matematik, Undergraduate, 2022 - 2023
Matematik I, Undergraduate, 2022 - 2023
Matematik II, Undergraduate, 2021 - 2022
Üniversite Yaşamına Uyum, Undergraduate, 2022 - 2023
Matematik I, Undergraduate, 2021 - 2022
Advanced Calculus I, Undergraduate, 2020 - 2021
Differential Equations, Undergraduate, 2020 - 2021
Mathematics I, Undergraduate, 2020 - 2021
Differential Equations, Undergraduate, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Some results on a first-order neutral differential equation with piecewise constant mixed arguments**
KAVGACI M. E., Al Obaidi H., BEREKETOĞLU H.
Periodica Mathematica Hungarica, vol.87, no.1, pp.265-277, 2023 (SCI-Expanded)
- II. **A Survey on Sharp Oscillation Conditions of Differential Equations with Several Delays**
Abdel-Aty M., KAVGACI M. E., Stavroulakis I. P., Zidan N.
MATHEMATICS, vol.8, no.9, 2020 (SCI-Expanded)
- III. **Dynamical effects of nonlocal interactions in discrete-time growth-dispersal models with logistic-type nonlinearities**
Aydogmus O., Kang Y., KAVGACI M. E., BEREKETOĞLU H.
ECOLOGICAL COMPLEXITY, vol.31, pp.88-95, 2017 (SCI-Expanded)
- IV. **ASYMPTOTIC CONVERGENCE OF SOLUTIONS OF A SCALAR q -DIFFERENCE EQUATION WITH DOUBLE DELAYS**
Bereketoglu H., KAVGACI M. E., Oztepe G.
ACTA MATHEMATICA HUNGARICA, vol.148, no.2, pp.279-293, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **OSCILLATION OF NONLINEAR FOURTH-ORDER DIFFERENCE EQUATIONS WITH MIDDLE TERM**
KAVGACI M. E.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS,
vol.67, no.2, pp.291-297, 2018 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **First Order Neutral Differential Equations With Piecewise Constant Mixed Arguments**
Kavgacı M. E., Bereketoğlu H., Al Obaidi H.
2nd International E-Conference on Mathematical and Statistical Sciences: A Selçuk Meeting, Konya, Turkey, 5 - 07 June 2023, pp.129
- II. **INTEGRODIFFERENCE EQUATIONS IN MATHEMATICAL BIOLOGY: GROWTH-DISPERSAL AND PREDATOR-PREY MODELS**
Kavgacı M. E., Yıldırım E., Bereketoğlu H.
7th Ifs And Contemporary Mathematics Conference, Mersin, Turkey, 25 - 29 May 2021, pp.3
- III. **Linear Stability Analysis of An Integro-difference System**
KAVGACI M. E., BEREKETOĞLU H., AYDOĞMUŞ Ö. H.
International Conference of Mathematical Sciences 2018, 31 July - 06 August 2018
- IV. **Linear Stability Analysis of a Prey-Predator Model in Discrete-time**
KAVGACI M. E., AYDOĞMUŞ Ö. H., BEREKETOĞLU H.
24th International Conference on Difference Equations and Applications, 21 - 25 May 2018
- V. **Dynamical effects of nonlocal interactions in discrete-time**
KAVGACI M. E., BEREKETOĞLU H., AYDOĞMUŞ Ö. H.
4th International Conference on Pure and Applied Sciences: Renewable Energy, İstanbul, Turkey, 23 - 25 November 2017
- VI. **WEAKLY NONLINEAR ANALYSIS OF INTEGRO-DIFFERENCE EQUATIONS FOR GROWTH-DISPERSAL MODELS**
KAVGACI M. E., BEREKETOĞLU H., AYDOĞMUŞ Ö. H.
2ND INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES, İstanbul, Turkey, 20 - 22 May 2017
- VII. **Lokal Olmayan Fisher Denkleminin Ayrık Zamanlı Analogunun Zayıf Lineer Olmayan Analizi**
KAVGACI M. E., AYDOĞMUŞ Ö. H., BEREKETOĞLU H.
11. Ankara Matematik Günleri, Turkey, 26 - 27 May 2016

Memberships / Tasks in Scientific Organizations

International Society of Difference Equations, Member, 2018 - Continues, United States Of America

Scientific Refereeing

Asian Research Journal of Mathematics, Other Indexed Journal, April 2023
NATURENGS, Other Indexed Journal, May 2022
Asian Journal of Probability and statistics, Other Indexed Journal, December 2020
MATHEMATICAL PROBLEMS IN ENGINEERING, Journal Indexed in SCI-E, December 2019
Journal of fractional calculus and applications, Other Indexed Journal, February 2019
Journal of Advances in Mathematics and computer science, Other Indexed Journal, July 2017

Tasks In Event Organizations

Kavgacı M. E., 11. Ankara Matematik Günleri, Scientific Congress, Ankara, Turkey, Mayıs 2016
Kavgacı M. E., Uygulamalı Matematik Çalıştayı, Workshop Organization, Turkey, Şubat 2016
Kavgacı M. E., International Conference on Nonlinear Differential Equations: Recent Developments and Applications, Scientific Congress, Antalya, Turkey, Mayıs 2014

Metrics

Publication: 12

Citation (WoS): 8

Citation (Scopus): 4

H-Index (WoS): 2

H-Index (Scopus): 1