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Personal Information

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Address: Yüzüncü Yıl Üniversitesi Fen Fakültesi Matematik Bölümü

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, PERIODIC SOLUTIONS AND STABILITY OF DIFFERENTIAL EQUATIONS WITH PIECEWISE CONSTANT ARGUMENT OF GENERALIZED TYPE, Van Yüzüncü Yıl University, Fen Bilimleri Enstitüsü, Matematik, 2009

Research Areas

Mathematics, Differential Equations, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Van Yüzüncü Yıl University, Fen Fakültesi, Matematik, 2010 - Continues

Research Assistant PhD, Van Yüzüncü Yıl University, Fen Fakültesi, Matematik, 2009 - 2010

Research Assistant, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Matematik, 2005 - 2009

Research Assistant, Middle East Technical University, Fen Fakültesi, Matematik, 2002 - 2003

Advising Theses

Büyükdalı C., Global stability and optimal control of some epidemic disease models, Postgraduate, F.BAYĞUT(Student), 2019

Büyükdalı C., Global existence of solutions and nonlinear asymptotic stability of travelling wave solutions of initial boundary value problem of Keller Segel model, Postgraduate, M.SİLAH(Student), 2017

Büyükdalı C., YARILINEER DİFERANSİYEL DENKLEMLERİN SINIR DEĞER PROBLEMLERİNİN POZİTİF ÇÖZÜMLERİ, Postgraduate, H.YILMAZ(Student), 2015

Jury Memberships

Post Graduate, Tez Savunma Jürisi, Yüzüncü Yıl Üniversitesi, April, 2016

Doctorate, Tez Savunma Jürisi, Yüzüncü Yıl Üniversitesi, May, 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Differential equations with state-dependent piecewise constant argument**
AKHMET M., Buyukadali C.
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, vol.72, no.11, pp.4200-4210, 2010 (SCI-Expanded)
- II. **On periodic solutions of differential equations with piecewise constant argument**
AKHMET M., Buyukadali C.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.56, no.8, pp.2034-2042, 2008 (SCI-Expanded)
- III. **Periodic solutions of the hybrid system with small parameter**
AKHMET M., Büyükdali C., Ergenç T.
Nonlinear Analysis: Hybrid Systems, vol.2, no.2, pp.532-543, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **STABILITY ANALYSIS OF A CAPUTO TYPE FRACTIONAL WATERBORNE INFECTIOUS DISEASE MODEL**
Büyükdali C.
JOURNAL OF MATHEMATICAL ANALYSIS, vol.13, no.5, pp.1-11, 2022 (ESCI)
- II. **Traveling wave solution of a keller-segel model with bacterial population growth**
Büyükdali C.
Palestine Journal of Mathematics, vol.10, no.2, pp.710-714, 2021 (Scopus)
- III. **Stability analysis of a waterborne infectious disease model with infectious saturation effect on bacterial disease transmission**
Büyükdali C.
Applied Mathematics and Information Sciences, vol.14, no.1, pp.69-72, 2020 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **On periodic solutions of quasilinear differential equations with piecewise constant argument of generalized type in critical case**
Büyükdali C., Akhmet M.
Joint Annual Mathematics Meeting, AMS, Washington, Dc, United States Of America, 5 - 08 January 2009, vol.30, no.1, pp.110

Supported Projects

TUBITAK Project, Süreksiz dinamik sistemler teorisinin geliştirilmesi ve mekanik ve elektroniğe uygulanması, 2006 - 2008

Metrics

Publication: 7

Citation (WoS): 43

Citation (Scopus): 40

H-Index (WoS): 3

H-Index (Scopus): 3