

Prof. Sebaheddin Şevgin

Personal Information

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International Researcher IDs

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Yoksis Researcher ID: 17959

Education Information

Doctorate, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Matematik, Turkey 1998 - 2005

Postgraduate, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Matematik, Turkey 1993 - 1996

Undergraduate, Van Yüzüncü Yil University, Fen-Edebiyat Fakültesi, Matematik, Turkey 1988 - 1992

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Singüler pertürbe Volterra integro-diferansiyel denklemlerin nümerik çözümleri, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Matematik, 2005

Postgraduate, Çok işlemci hesaplama sistemleri için performans ve güvenilirlik ölçümleri ve olasılıksal modeller, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Matematik, 1996

Research Areas

Mathematics, Integral Equations, Numerical Analysis, Natural Sciences

Academic Titles / Tasks

Associate Professor, Van Yüzüncü Yil University, Fen Fakültesi, Matematik Bölümü, 2016 - Continues

Assistant Professor, Van Yüzüncü Yil University, Fen Fakültesi, Matematik Bölümü, 2007 - Continues

Research Assistant, Van Yüzüncü Yil University, Fen Fakültesi, Matematik Bölümü, 1999 - 2007

Academic and Administrative Experience

Head of Department, Van Yüzüncü Yil University, Fen Fakültesi, Matematik Bölümü, 2018 - Continues

Van Yüzüncü Yil University, Fen Fakültesi, Matematik, 2008 - Continues

Courses

Introduction to Mathematical Biology, Doctorate, 2020 - 2021
Computer and Programming II, Undergraduate, 2018 - 2019
Real Analysis II, Undergraduate, 2018 - 2019
Real Analysis I, Undergraduate, 2018 - 2019
Computer and Programming I, Undergraduate, 2018 - 2019
Volterra İntegral Denklemler ve Nümerik Çözümleri I, Doctorate, 2016 - 2017
Uygulamalı Matematik II, Undergraduate, 2015 - 2016
Volterra İntegral Denklemler ve Nümerik Çözümleri II, Postgraduate, 2015 - 2016, 2014 - 2015
Mühendislik Matematiği, Undergraduate, 2016 - 2017
Uygulamalı Matematik I, Undergraduate, 2016 - 2017, 2015 - 2016
İleri Lineer Cebir, Postgraduate, 2016 - 2017
Hyers-Ulam Kararlılık, Postgraduate, 2015 - 2016, 2014 - 2015
Nümerik Lineer Cebir II, Postgraduate, 2014 - 2015
İleri Lineer Cebir, Postgraduate, 2015 - 2016
Matematiğin Tarihi II, Undergraduate, 2014 - 2015
Fonksiyonel Analiz II, Undergraduate, 2014 - 2015
Volterra İntegral Denklemler ve Nümerik Çözümleri I, Postgraduate, 2015 - 2016
Soyut Matematik II, Undergraduate, 2006 - 2007
Lineer Cebir, Undergraduate, 2006 - 2007
Soyut Matematik II, Undergraduate, 2006 - 2007
Lineer Cebir II, Undergraduate, 2006 - 2007

Advising Theses

Şevgin S., Zaman skalası üzerinde birinci mertebeden homojen olmayan lineer dinamik denklemin ve volterra integro-dinamik denklemin Hyers-Ulam-Rassias kararlılığı, Postgraduate, M.ÇAKIL(Student), 2020
Şevgin S., Bazı sınır-değer problemlerinin Hyers-Ulam kararlılığı, Postgraduate, M.UNUTUR(Student), 2019
Şevgin S., Simpson's Type Inequalities for Some Function Classes, Postgraduate, S.Taha(Student), 2016
Şevgin S., Ulam Stability of Some Volterra Integro-differential Equations, Postgraduate, J.Abdulwahid(Student), 2016
Şevgin S., Bazı İkinci Mertebeden Diferansiyel Denklemlerin Hyers-Ulam Kararlılığı, Postgraduate, A.Gümüş(Student), 2016
Şevgin S., Singüler Pertürbe Riccati Denkleminin Nümerik Çözümleri, Postgraduate, A.Şehitoğlu(Student), 2014
Şevgin S., Birinci mertebeden lineer diferansiyel denklemlerin Hyers-Ulam kararlılığı, Postgraduate, A.Tanhan(Student), 2013
Şevgin S., Konveksiyon-difüzyon problemleri için katmana uyarlanmış şebekeler, Postgraduate, M.Fatih(Student), 2009

Jury Memberships

Doctorate, Doctorate, Van Yüzüncü Yıl Üniversitesi, July, 2019
Doctorate, Doctorate, Van Yüzüncü Yıl Üniversitesi, June, 2018
Post Graduate, Tez Savunma Sınavı, Yüzüncü Yıl Üniversitesi, September, 2016
Doctorate, Doktora Tez Savunma Jürisi, Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü, May, 2015

Published journal articles indexed by SCI, SSCI, and AHCI

I. BEHAVIOR OF SOLUTIONS OF NONLINEAR FUNCTIONAL VOLTERRA INTEGRO-DIFFERENTIAL

EQUATIONS WITH MULTIPLE DELAYS

GRAEF J. R., Tunc C., Sevgin S.

DYNAMIC SYSTEMS AND APPLICATIONS, vol.25, pp.39-46, 2016 (SCI-Expanded)

- II. **Stability of a nonlinear Volterra integro-differential equation via a fixed point approach**
Şevgin S., Sevli H.
JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS, vol.9, no.1, pp.200-207, 2016 (SCI-Expanded)
- III. **Numerical solution of a singularly perturbed Volterra integro-differential equation**
Sevgin S.
ADVANCES IN DIFFERENCE EQUATIONS, 2014 (SCI-Expanded)
- IV. **On the perturbation of Volterra integro-differential equations**
JUNG S., Şevgin S., Sevli H.
APPLIED MATHEMATICS LETTERS, vol.26, no.7, pp.665-669, 2013 (SCI-Expanded)
- V. **AN APPROXIMATION PROPERTY OF GAUSSIAN FUNCTIONS**
JUNG S., Sevli H., Şevgin S.
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, 2013 (SCI-Expanded)
- VI. **A Note on Coincidence Degree Theory**
Sırma A., Sevgin S.
ABSTRACT AND APPLIED ANALYSIS, 2012 (SCI-Expanded)
- VII. **Uniform difference method for singularly perturbed Volterra integro-differential equations**
AMIRALIYEV G. M., Sevgin S.
APPLIED MATHEMATICS AND COMPUTATION, vol.179, no.2, pp.731-741, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **THE STABILITY ANALYSIS OF THE SYSTEM OF INTEGRODIFFERENTIAL EQUATIONS**
Şevgin S., Abdullah J. A., Abdulazeez S. T.
Journal of Mathematical Analysis, vol.15, no.1, pp.28-39, 2024 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Hyers-Ulam-Rassias stability of a boundary value problem with integral boundary conditions**
Şevgin S., Unutur M.
3rd International E-Conference on Mathematical Advances and Applications, İstanbul, Turkey, 24 - 27 June 2020, pp.186
- II. **Hyers-Ulam-Rassias Stability of the First Order Nonhomogeneous Linear Dynamic Equation on Time Scale**
Şevgin S., Çakıl M.
3rd International E-Conference on Mathematical Advances and Applications, İstanbul, Turkey, 24 - 27 June 2020, pp.126
- III. **Ulam stability of a boundary value problem**
Şevgin S., Unutur M.
International Engineering and Natural Sciences Conference (IENSC 2018), Diyarbakır, Turkey, 14 - 17 November 2018, vol.1-2, pp.17-19
- IV. **Hyers-Ulam-Rassias stability of a system of Volterra integro-differential equation**
Şevgin S.
International Engineering and Natural Sciences Conference (IENSC 2018), Diyarbakır, Turkey, 14 - 17 November 2018, vol.1-2, pp.77-78
- V. **HYERS-ULAM-RASSIAS STABILITY OF A VOLTERRA INTEGRO-DIFFERENTIAL EQUATION**
Şevgin S.

International Conference on Analysis and Its Applications (ICAA-2016), Kırşehir, Turkey, 12 - 15 July 2016, pp.267

VI. Ulam Stability of Some Volterra Equations

Şevgin S., Yurdakul P.

International Conference on Pure and Applied Mathematics (ICPAM 2015), Van, Turkey, 25 - 28 August 2015, pp.1

VII. Hyers-Ulam stability of Volterra integro-differential equations

Şevgin S., SEVLI H.

Conference on Ulam's Type Stability (CUTS), Krakow, Poland, 2 - 06 June 2014, vol.13, pp.157-158

VIII. Hyers-Ulam stability of an integro-differential equation

Şevgin S., SEVLI H.

Conference on Ulam's Type Stability (CUTS), Krakow, Poland, 2 - 06 June 2014, vol.13, pp.156-157

Supported Projects

Şevgin S., Project Supported by Higher Education Institutions, İkinci mertebeden singüler pertürbe Volterra integro-diferansiyel denklemlerin numeric çözümleri, 2011 - 2014

AMİRALİ G., Erdoğan F., Duru H., Çakır M., Şevgin S., Project Supported by Higher Education Institutions, Nonlinear dispersive dalga yayılım problemleri için matematiksel ve hesaplama metotları, 2005 - 2008

Scientific Refereeing

NUMERICAL ALGORITHMS, Journal Indexed in SCI-E, March 2019

Middle East Journal of Science, Other Indexed Journal, December 2018

MISKOLC MATHEMATICAL NOTES, Journal Indexed in SCI-E, July 2018

Project Supported by Higher Education Institutions, October 2016

Metrics

Publication: 16

Citation (WoS): 55

Citation (Scopus): 75

H-Index (WoS): 5

H-Index (Scopus): 5

Congress and Symposium Activities

International Engineering and Natural Sciences Conference (IENSC 2018), Attendee, Diyarbakır, Turkey, 2018

International Conference on Analysis and Its Applications (ICAA-2016), Attendee, Kırşehir, Turkey, 2016

International Conference on Pure and Applied Mathematics (ICPAM 2015), Attendee, Van, Turkey, 2015

Conference on Ulam's Type Stability (CUTS), Attendee, Kraków, Poland, 2014

16. Ulusal Matematik Sempozyumu, Attendee, Van, Turkey, 2003

13. Ulusal Matematik Sempozyumu, Attendee, İstanbul, Turkey, 2000

Non Academic Experience

MEB

Van Devlet Hastanesi