Prof. Sebaheddin Şevgin

Personal Information

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International Researcher IDs
ORCID: 0000-0002-2163-9896
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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

Professor, Van Yüzüncü Yil University, Fen Fakültesi, Matematik Bölümü, 2021 - Continues
Associate Professor, Van Yüzüncü Yil University, Fen Fakültesi, Matematik Bölümü, 2016 - 2021
Assistant Professor, Van Yüzüncü Yil University, Fen Fakültesi, Matematik Bölümü, 2007 - 2016
Research Assistant PhD, Van Yüzüncü Yil University, Fen Fakültesi, Matematik Bölümü, 2005 - 2007
Research Assistant, Van Yüzüncü Yil University, Fen Fakültesi, Matematik Bölümü, 1999 - 2005
Research Assistant, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Matematik (Yl) (Tezli), 1994 - 1996

Academic and Administrative Experience

Dean, Van Yüzüncü Yil University, Fen Fakültesi, 2024 - Continues

Head of Department, Van Yüzüncü Yil University, Fen Fakültesi, 2022 - Continues

Dean, Van Yüzüncü Yil University, Müzik Ve Sahne Sanatları Fakültesi, 2022 - 2024

Head of Department, Van Yüzüncü Yil University, Fen Fakültesi, Matematik Bölümü, 2018 - 2023

Secretary General, Van Yüzüncü Yil University, 2019 - 2022

Deputy Head of Department, Van Yüzüncü Yil University, Fen Fakültesi, Matematik, 2008 - 2018

Courses

Doctorate

Introduction to Mathematical Biology, Doctorate, 2020 - 2021

Volterra İntegral Denklemler ve Nümerik Çözümleri I, Doctorate, 2016 - 2017

Postgraduate

Volterra İntegral Denklemler ve Nümerik Çözümleri II, Postgraduate, 2015 - 2016, 2014 - 2015

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

Volterra İntegral Denklemler ve Nümerik Çözümleri I, Postgraduate, 2015 - 2016

Undergraduate

Genel Matematik, Undergraduate, 2024 - 2025

Genel Matematik II, Undergraduate, 2022 - 2023

Genel Matematik I, Undergraduate, 2022 - 2023

Computer and Programming II, Undergraduate, 2018 - 2019

Ral Analysis II, Undergraduate, 2018 - 2019

Real Analysis I, Undergraduate, 2018 - 2019

Computer and Programming I, Undergraduate, 2018 - 2019

Uygulamalı Matematik II, Undergraduate, 2015 - 2016

Mühendislik Matematiği, Undergraduate, 2016 - 2017

Uygulamalı Matematik I, Undergraduate, 2016 - 2017, 2015 - 2016

Matematiğin Tarihi II, Undergraduate, 2014 - 2015

Fonksiyonel Analiz II, Undergraduate, 2014 - 2015

Soyut Matematik II, Undergraduate, 2006 - 2007

Lineer Cebir, Undergraduate, 2006 - 2007

Soyut Matematik II, Undergraduate, 2006 - 2007

Lineer Cebir II, Undergraduate, 2006 - 2007

Supervised Theses

Şevgin S., Zaman skalası üzerinde birinci mertebeden homojen olmayan lineer dinamik denklemin ve volterra integro-dinamik denklemin Hyers-Ulam-Rassıas 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)

Papers Published in Refereed Scientific Meetings

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, Norlineer dispersive dalga yayılım problemleri için matematiksel ve hesaplama metotları, 2005 - 2008

Peer Reviews in Scientific Publications

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

Scientific Project Refereeing

Project Supported by Higher Education Institutions, October 2016

Metrics

Publication: 16
Citation (WoS): 55
Citation (Scopus): 131
H-Index (WoS): 5
H-Index (Scopus): 6

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, Öğretmen

Van Devlet Hastanesi, memur