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International Researcher IDs

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Publons / Web Of Science ResearcherID: B-9001-2018

ScopusID: 56003553200

Yoksis Researcher ID: 121360

Education Information

I.   Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2009 - 2013
II. Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Yl) (Tezli), Turkey 2006 - 2009
III. Postgraduate, Gazi University, Eğitim Bilimleri Enstitüsü, Eğitim Bilimleri Enstitüsü, Turkey 2005 - 2007
IV. Undergraduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 2001 - 2005

Foreign Languages

I.   English, B2 Upper Intermediate

Dissertations

I.   Doctorate, Parçalı sürekli argümentli impulsive diferensiyel denklemler, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2013
II. Postgraduate, Parçalı sürekli argümentli diferensiyel denklemler, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Yl) (Tezli), 2009

Research Areas

Differential Equations, Functional Equations

Academic Titles / Tasks

I.   Associate Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2020 - Continues
II. Assistant Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2017 - 2020
III. Research Assistant, Ankara University, Fen Fakültesi, Matematik Bölümü, 2008 - 2017

Academic and Administrative Experience

I. Bölüm Toplumsal Katkı Birim Temsilcisi, Ankara University, Fen Fakültesi, Matematik Bölümü, 2025 - Continues

Courses

I. **Doctorate**
    I. Difference Equations, Doctorate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

II. **Undergraduate**
    I. Systems of Difference Equations, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023
    II. Dynamical Systems, Undergraduate, 2024 - 2025
    III. Differential Equations, Undergraduate, 2024 - 2025, 2023 - 2024, 2021 - 2022, 2020 - 2021
    IV. Difference Equations, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
    V. Differential Equations, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
    VI. Difference Equations, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
    VII. Differential Equations, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023
    VIII. Systems of Difference Equations, Undergraduate, 2022 - 2023, 2021 - 2022
    IX. Diferansiyel Denklemler, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
    X. Mathematics, Undergraduate, 2021 - 2022
    XI. Mathematics I, Undergraduate, 2021 - 2022
    XII. Calculus II, Undergraduate, 2020 - 2021
    XIII. Mathematics I, Undergraduate, 2021 - 2022
    XIV. Mathematical Modelling, Undergraduate, 2019 - 2020
    XV. Differential Equations, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018
    XVI. Mathematics II, Undergraduate, 2018 - 2019
    XVII. Calculus II, Undergraduate, 2018 - 2019
    XVIII. Calculus I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
    XIX. Calculus I, Undergraduate, 2017 - 2018
    XX. Calculus -II, Undergraduate, 2017 - 2018
    XXI. Mathematics I, Undergraduate, 2018 - 2019

Supervised Theses

I. Seyhan Öztepe G., Sürekli dinamik sistemlerin kararlılık ve çatallanma analizi, Postgraduate, N.BURKANKULU(Student), 2022

Jury Memberships

I. Post Graduate, Post Graduate, Ankara Üniversitesi, January, 2024
II. Doctoral Examination, Doctoral Examination, Ankara Üniversitesi, July, 2023
III. Doctorate, Doctorate, Ankara Üniversitesi, July, 2023
IV. PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, January, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Analysis of a Discretized Fractional Order Prey-Predator Model Under Wind Effect**
Seyhan Öztepe G., Lafcı Büyükkahraman M.
ANZIAM JOURNAL, vol.67, no.e9, pp.1-26, 2025 (SCI-Expanded)

II. **An investigation on the Lasota-Wazewska model with a piecewise constant argument**
SEYHAN ÖZTEPE G.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.50, no.5, pp.1500-1508, 2021 (SCI-Expanded)

III. **Oscillation of first-order differential equations with several non-monotone retarded arguments**
BEREKETOĞLU H., KARAKOÇ F., SEYHAN ÖZTEPE G., Stavroulakis I. P.
GEORGIAN MATHEMATICAL JOURNAL, vol.27, no.3, pp.341-350, 2020 (SCI-Expanded)

IV. **BEHAVIOR OF SOLUTIONS OF A NONLINEAR IMPULSIVE SYSTEM WITH PIECEWISE CONSTANT MIXED ARGUMENTS**
Buyukkahraman M. L., SEYHAN ÖZTEPE G., BEREKETOĞLU H.
MISKOLC MATHEMATICAL NOTES, vol.21, no.2, pp.733-746, 2020 (SCI-Expanded)

V. **Existence and qualitative properties of solutions of a second order mixed type impulsive differential equation with piecewise constant arguments**
Oztepe G.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.46, no.6, pp.1077-1091, 2017 (SCI-Expanded)

VI. **QUALITATIVE PROPERTIES OF A THIRD-ORDER DIFFERENTIAL EQUATION WITH A PIECEWISE CONSTANT ARGUMENT**
Bereketoğlu H., Lafci M., Seyhan Öztepe G.
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, vol.2017, 2017 (SCI-Expanded)

VII. **On the Oscillation of a Third Order Nonlinear Differential Equation with Piecewise Constant Arguments**
BEREKETOĞLU H., Lafci M., SEYHAN ÖZTEPE G.
MEDITERRANEAN JOURNAL OF MATHEMATICS, vol.14, no.3, 2017 (SCI-Expanded)

VIII. **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)

IX. **Asymptotic constancy for impulsive differential equations with piecewise constant argument**
Bereketoğlu H., Seyhan Öztepe G.
BULLETIN MATHEMATIQUE DE LA SOCIETE DES SCIENCES MATHEMATIQUES DE ROUMANIE, vol.57, no.2, pp.181-192, 2014 (SCI-Expanded)

X. **CONVERGENCE OF THE SOLUTION OF AN IMPULSIVE DIFFERENTIAL EQUATION WITH PIECEWISE CONSTANT ARGUMENTS**
BEREKETOĞLU H., SEYHAN ÖZTEPE G.
MISKOLC MATHEMATICAL NOTES, vol.14, no.3, pp.801-815, 2013 (SCI-Expanded)

XI. **On a second order differential equation with piecewise constant mixed arguments**
Bereketoglu H., Seyhan G., Karakoc F.
CARPATHIAN JOURNAL OF MATHEMATICS, vol.27, no.1, pp.1-12, 2011 (SCI-Expanded)

XII. **Oscillatory and Periodic Solutions of Impulsive Differential Equations with Piecewise Constant Argument**
KARAKOÇ F., BEREKETOĞLU H., SEYHAN ÖZTEPE G.
ACTA APPLICANDAE MATHEMATICAE, vol.110, no.1, pp.499-510, 2010 (SCI-Expanded)

XIII. **Advanced Impulsive Differential Equations with Piecewise Constant Arguments**
Bereketoglu H., Seyhan G., Ogun A.
MATHEMATICAL MODELLING AND ANALYSIS, vol.15, no.2, pp.175-187, 2010 (SCI-Expanded)

Articles Published in Other Journals

I. **Bifurcations and Dynamics in Modified Two Population Neuronal Network Models**
Choudhury S. R., Oztepe G.
Discontinuity, Nonlinearity, and Complexity, vol.10, no.2, pp.237-257, 2021 (Scopus)

II. **Oscillation and Periodicity of a Second Order Impulsive Delay Differential Equation with a Piecewise Constant Argument**
S. Oztepe G., Karakoç F., Bereketoğlu H.
Communications in Mathematics, vol.25, no.2, pp.89-98, 2017 (Scopus)

III. **CONVERGENCE OF SOLUTIONS OF AN IMPULSIVE DIFFERENTIAL SYSTEM WITH A PIECEWISE CONSTANT ARGUMENT**
Oztepe G.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.66, no.2, pp.115-129, 2017 (ESCI)

IV. **Multiple scales and energy analysis of coupled Rayleigh Van der Pol oscillators with time delayed displacement and velocity feedback Hopf bifurcations and amplitude death**
Seyhan Öztepe G., Choudhury S. R., Bhatt A.
Far East Journal of Dynamical Systems, vol.26, no.1, pp.31-59, 2015 (Peer-Reviewed Journal)

V. **Convergence in an impulsive advanced differential equations with piecewise constant argument**
Seyhan Öztepe G., Bereketoğlu H.
BULLETIN OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.4, no.3, pp.57-70, 2012 (ESCI)

Papers Published in Refereed Scientific Meetings

I. **Complex Behaviors of a Predator-Prey Model Discretized by Piecewise Constant Arguments**
Seyhan Öztepe G.
29th International Conference on Difference Equations and Applications 24-28 Jun 2024 Paris (France), Paris, France, 24 - 28 June 2024, pp.95

II. **Some Bifurcations of a Fractional Order Discrete Prey-Predator Model**
Seyhan Öztepe G., Lafcı M.
2nd International E-Conference on Mathematical and Statistical Science: A Selcuk Meeting, Konya, Turkey, 5 - 07 June 2023, pp.195

III. **Detection of The Bifurcation of Chen's Chaotic Attractor**
Seyhan Öztepe G.
8th International Conference on Intuitionistic Fuzzy Sets and Contemporary Mathematics (IFSCOM-2022), Mersin, Turkey, 16 - 19 June 2022, pp.58

IV. **An Investigation on the Lasota-Wazewska model with a Piecewise Constant Argument**
Seyhan Öztepe G.
8th International Conference on Intuitionistic Fuzzy Sets and Contemporary Mathematics (IFSCOM-2022), Mersin, Turkey, 16 - 19 June 2022, pp.57

V. **Some Properties of a Differential Equation with Piecewise Constant Arguments**
SEYHAN ÖZTEPE G., LAFCI M., BEREKETOĞLU H.
The 25th International Conference on Difference Equations and Applications (ICDEA 2019), 24 - 28 June 2019

VI. **Oscillation of a Third Order Nonlinear Differential Equation with Piecewise Constant Arguments**
LAFCI M., BEREKETOĞLU H., SEYHAN ÖZTEPE G.
International Conference on Mathematics and Mathematics Education (ICMME 2017), 11 - 13 May 2017

VII. **Oscillation of a second order impulsive delay differential equation with a piecewise constant argument**
SEYHAN ÖZTEPE G., KARAKOÇ F., BEREKETOĞLU H.
International Conference on Applied Mathematics and Analysis, 11 - 16 July 2016

VIII. **Some Results on a Third Order Differential Equation with a Piecewise Constant Argument**

LAFCI M., BEREKETOĞLU H., SEYHAN ÖZTEPE G.

The 11th Aims Conference in Dynamical Systemsi Differential Equations and Applications, 1 - 05 July 2016

IX. **İleri tipten parçalı sürekli argümentli impulsive denklemlerin çözümlerinin yakınsaklığı**
SEYHAN ÖZTEPE G.

11. Ankara Matematik Günleri, Turkey, 26 - 27 May 2016

X. **Oscillation of Mixed Type Third Order Nonlinear Differential Equation with Piecewise Constant Arguments**
LAFCI M., SEYHAN ÖZTEPE G.

International Conference on Pure and Applied Mathematics (ICPAM 2015), 25 - 28 August 2015

XI. **Parçalı Sürekli Argümentli Impulsive Diferensiyel Denklemler**
SEYHAN ÖZTEPE G.

Ankara Üniversitesi Matematik Bölüm Semineri, Turkey, 23 October 2013

XII. **Parçalı Sürekli Argümentli Diferensiyel Denklemlerin Çözümlerinin Yakınsaklığı Üzerine**
SEYHAN ÖZTEPE G., BEREKETOĞLU H.

8. Ankara Matematik Günleri, Turkey, 13 - 14 June 2013

XIII. **Advanced Impulsive Differential Equations with Piecewise Constant Arguments**
SEYHAN ÖZTEPE G.

The International Conference on the Theory, Methods and Applications of Nonlinear Equations, 17 - 21 December 2012

XIV. **Oscillatory and Periodic Solutions of Impulsive Differential Equations with Piecewise Constant Argument**
Karakoç F., Bereketoğlu H., Seyhan Öztepe G.

The 11th International Workshop on Dynamical Systems and Applications, Ankara, Turkey, 26 - 28 June 2012, pp.16

XV. **Oscillation of Impulsive Diferential Equations with Piecewise Constant Argment**
KARAKOÇ F., BEREKETOĞLU H., SEYHAN ÖZTEPE G.

Joint Mathematics Meetings, 6 - 09 January 2011

XVI. **Oscillation of Impulsive Differential Equations with Piecewise Constant Argument**
Karakoç F., Bereketoğlu H., Seyhan Öztepe G.

AMS-MAA 2011 Joint Mathematics Meeting, Louisiana, United States Of America, 6 - 09 January 2011, pp.167

XVII. **On a Second Order Differential Equation with Piecewise Constant Mixed Arguments**
Seyhan Öztepe G., Bereketoğlu H., Karakoç F.

The 6th International Conference: Dynamical Systems and Applications, Antalya, Turkey, 10 - 14 July 2010

XVIII. **Some Results on an Advanced Impulsive Differential Equation with Piecewise Constant Argument**
ÜNAL A., SEYHAN ÖZTEPE G., BEREKETOĞLU H.

International Conference of Mathematical Sciences, 4 - 10 August 2009

XIX. **İkinci Basamaktan Parçalı Sürekli Argümentli Bir Diferensiyel Denklemin Salınımlı ve Periyodik Çözümleri Üzerine**
SEYHAN ÖZTEPE G., BEREKETOĞLU H.

III. Ankara Matematik Günleri Sempozyumu, Turkey, 22 - 23 May 2008

Activities in Scientific Journals

I. COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, Assistant Editor/Section Editor, 2021 - Continues

Memberships / Tasks in Scientific Organizations

I. International Society of Difference Equations, Member, 2023 - Continues, United States Of America
II. American Mathematical Society, Member, 2016 - Continues, United States Of America

Peer Reviews in Scientific Publications

I. CARPATHIAN JOURNAL OF MATHEMATICS, SCI Journal, May 2024
II. HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, Journal Indexed in SCI-E, August 2023
III. HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, SCI Journal, September 2022

Scientific Consultations

I. TÜBİTAK, Project Consultancy, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey, 2022 - Continues
II. TÜBİTAK, Project Consultancy, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey, 2021 - 2021

Metrics

Publication: 37
Citation (WoS): 112
Citation (Scopus): 128
H-Index (WoS): 6
H-Index (Scopus): 7

Congress and Symposium Activities

I. 29th International Conference on Difference Equations and Applications 24-28 Jun 2024 Paris (France), Attendee, Paris, France, 2024
II. 2nd International E-Conference on Mathematical and Statistical Science: A Selcuk Meeting, Attendee, Konya, Turkey, 2023
III. 8th International Conference on Intuitionistic Fuzzy Sets and Contemporary Mathematics (IFSCOM-2022), Attendee, Mersin, Turkey, 2022
IV. 8th International Conference on Intuitionistic Fuzzy Sets and Contemporary Mathematics (IFSCOM-2022), Attendee, Mersin, Turkey, 2022
V. The 25th International Conference on Difference Equations and Applications (ICDEA 2019), Attendee, London, England, 2019
VI. International Conference on Mathematical Advances and Applications (ICOMAA-2018), Attendee, İstanbul, Turkey, 2018
VII. International Conference on Applied Mathematics andAnalysis (ICAMA 2016), In memory of Prof. Hüseyin Şirin Hüseyin, Attendee, Ankara, Turkey, 2016
VIII. 11. Ankara Matematik Günleri, Attendee, Ankara, Turkey, 2016
IX. Ankara Üniversitesi Matematik Bölüm Semineri, Invited Speaker, Ankara, Turkey, 2015
X. 8. Ankara Matematik Günleri, 13-14 Haziran 2013, Çankaya Üniversitesi., Attendee, Ankara, Turkey, 2013
XI. The International Conference on the Theory, Methods and Applications of Nonlinear Equations,, Attendee, Texas, United States Of America, 2012
XII. The 6th International Conference: Dynamical Systems and Applications, Attendee, Antalya, Turkey, 2010
XIII. International Conference of Mathematical Sciences 2009 (ICMS 2009), Attendee, İstanbul, Turkey, 2009
XIV. 3. Ankara Matematik Günleri Sempozyumu, Attendee, Ankara, Turkey, 2008

Scholarships

I. 2219 Doktora Sonrası Araştırma Burs Programı , TUBITAK, 2014 - 2015
II. 2211 Yurt İçi Doktora burs Programı, TUBITAK, 2009 - 2013