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International Researcher IDs

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

ScopusID: 56003553200

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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

Courses

- I. Systems of Difference Equations, Undergraduate, 2022 - 2023, 2021 - 2022
- II. Diferansiyel Denklemler, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
- III. Systems of Difference Equations, Undergraduate, 2022 - 2023
- IV. Difference Equations, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
- V. Difference Equations, Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
- VI. Differential Equations, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
- VII. Difference Equations, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
- VIII. Differential Equations, Undergraduate, 2023 - 2024, 2022 - 2023
- IX. Differential Equations, Undergraduate, 2021 - 2022, 2020 - 2021
- 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

Advising Theses

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

Jury Memberships

- I. Doctoral Examination, Doctoral Examination, Ankara Üniversitesi, July, 2023
- II. Doctorate, Doctorate, Ankara Üniversitesi, July, 2023
- III. PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, January, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An investigation on the Lasota-Ważewska 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)
- II. **Oscillation of first-order differential equations with several non-monotone retarded arguments**
BEREKETOĞLU H., KARAKOÇ F., SEYHAN ÖZTEPE G., Stavrulakis I. P.
GEORGIAN MATHEMATICAL JOURNAL, vol.27, no.3, pp.341-350, 2020 (SCI-Expanded)
- III. **BEHAVIOR OF SOLUTIONS OF A NONLINEAR IMPULSIVE SYSTEM WITH PIECEWISE CONSTANT MIXED ARGUMENTS**
Buyukkahraman M. L., SEYHAN ÖZTEPE G., BERKETOĞLU H.
MISKOLC MATHEMATICAL NOTES, vol.21, no.2, pp.733-746, 2020 (SCI-Expanded)

- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **Oscillatory and Periodic Solutions of Impulsive Differential Equations with Piecewise Constant Argument**
KARAKOÇ F., BERKETOĞLU H., SEYHAN ÖZTEPE G.
ACTA APPLICANDAE MATHEMATICAE, vol.110, no.1, pp.499-510, 2010 (SCI-Expanded)
- XII. **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., Bereketoglu H.
BULLETIN OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.4, no.3, pp.57-70, 2012 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Some Bifurcations of a Fractional Order Discrete Prey-Predator Model**
Seyhan Öztepe G., Lafci M.
2nd International E-Conference on Mathematical and Statistical Science: A Selcuk Meeting, Konya, Turkey, 5 - 07 June 2023, pp.195
- II. **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
- III. **An Investigation on the Lasota-Ważewska 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
- IV. **Some Properties of a Differential Equation with Piecewise Constant Arguments**
SEYHAN ÖZTEPE G., LAFCI M., BERKETOĞLU H.
The 25th International Conference on Difference Equations and Applications (ICDEA 2019), 24 - 28 June 2019
- V. **Oscillation of a Third Order Nonlinear Differential Equation with Piecewise Constant Arguments**
LAFCI M., BERKETOĞLU H., SEYHAN ÖZTEPE G.
International Conference on Mathematics and Mathematics Education (ICMME 2017), 11 - 13 May 2017
- VI. **Oscillation of a second order impulsive delay differential equation with a piecewise constant argument**
SEYHAN ÖZTEPE G., KARAKOÇ F., BERKETOĞLU H.
International Conference on Applied Mathematics and Analysis, 11 - 16 July 2016
- VII. **Some Results on a Third Order Differential Equation with a Piecewise Constant Argument**
LAFCI M., BERKETOĞLU H., SEYHAN ÖZTEPE G.
The 11th Aims Conference in Dynamical Systems Differential Equations and Applications, 1 - 05 July 2016
- VIII. **İleri tipten parçalı sürekli argümentli impulsive denklemlerin çözümlerinin yakınsaklığı**
SEYHAN ÖZTEPE G.
11. Ankara Matematik Günleri, Turkey, 26 - 27 May 2016
- IX. **Çoklu Ölçek Metodu ve Enerji Analizi**
SEYHAN ÖZTEPE G.
Ankara Üniversitesi Matematik Bölüm Semineri, Turkey, 04 November 2015
- 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., BERKETOĞLU 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. **Oscillation of Impulsive Differential Equations with Piecewise Constant Argument**

KARAKOÇ F., BERKETOĞLU H., SEYHAN ÖZTEPE G.

Joint Mathematics Meetings, 6 - 09 January 2011

XV. **On a Second Order Differential Equation with Piecewise Constant Mixed Arguments**

SEYHAN ÖZTEPE G., BERKETOĞLU H., KARAKOÇ F.

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

XVI. **Some Results on an Advanced Impulsive Differential Equation with Piecewise Constant Argument**

ÜNAL A., SEYHAN ÖZTEPE G., BERKETOĞLU H.

International Conference of Mathematical Sciences, 4 - 10 August 2009

XVII. **İkinci Basamaktan Parçalı Sürekli Argümentli Bir Diferensiyel Denklemin Salınımlı ve Periyodik Çözümleri Üzerine**

SEYHAN ÖZTEPE G., BERKETOĞLU 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

Scientific Refereeing

- I. HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, Journal Indexed in SCI-E, August 2023
- II. 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: 36

Citation (WoS): 111

Citation (Scopus): 116

H-Index (WoS): 6
H-Index (Scopus): 6

Scholarships

- I. 2219 Doktora Sonrası Arařtırma Burs Programı , TUBİTAK, 2014 - 2015
- II. 2211 Yurt İi Doktora burs Programı, TUBİTAK, 2009 - 2013