

Prof. AYŞE FEZA GÜVENİLİR

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: CSW-7721-2022

ScopusID: 6603415463

Yoksis Researcher ID: 106920

Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü (Döner Sermaye), Turkey 1987 - 1995

Postgraduate, Hacettepe University, Fen Fakültesi, Matematik Bölümü, Turkey 1984 - 1987

Undergraduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 1980 - 1984

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Occupational Health and Safety, İş Sağlığı ve Güvenliği Eğitim Programı, Ankara Üniversitesi Tandoğan Yerleşkesi İş Sağlığı ve Güvenliği Kurulu, 2022

Dissertations

Doctorate, YARILINEER ELİPTİK DENKLEMLERDE ÇÖZÜMLERİN VARLIĞI, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), 1995

Postgraduate, HİLBERT UZAYINDA DÖNÜŞÜMLER VE BAZI UYGULAMALARI, Hacettepe University, Fen Fakültesi, Matematik Bölümü, 1987

Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2017 - Continues

Associate Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2011 - Continues

Assistant Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2005 - 2011

Lecturer, Ankara University, Fen Fakültesi, Matematik Bölümü, 1995 - 2005

Research Assistant, Ankara University, Fen Fakültesi, Matematik Bölümü, 1987 - 1995

Academic and Administrative Experience

Ankara University, 2018 - Continues

Courses

MAT441 KESİRLİ DİFERENSİYEL DENKLEMLER, Undergraduate, 2013 - 2014
MAT223 DİFERENSİYEL DENKLEMLER, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009
MAT432 KISMİ TÜREVLİ DENKLEMLER II, Undergraduate, 2013 - 2014
MAT 102 MATEMATİK II, Undergraduate, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006
MAT211 DİFERENSİYEL DENKLEMLER, Undergraduate, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006
MAT101 MATEMATİK I, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006
MAT224 KISMİ TÜREVLİ DENKLEMLER II, Undergraduate, 2013 - 2014
MAT448 KESİRLİ FARK DENKLEMLERİ, Undergraduate, 2013 - 2014
815589 KESİRLİ FARK DENKLEMLERİ, Postgraduate, 2013 - 2014
MAT354 DİFERENSİYEL DENKLEMLER, Undergraduate, 2012 - 2013, 2011 - 2012
MAT353 DİFERENSİYEL DENKLEMLER, Undergraduate, 2012 - 2013, 2011 - 2012
815628 UZMANLIK ALAN DERSİ, Postgraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007
815554 SALINIM TEORİSİ, Postgraduate, 2012 - 2013, 2011 - 2012
MAT210 DİFERENSİYEL DENKLEMLER, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007
815518 KISMİ TÜREVLİ DENKLEMLER, Postgraduate, 2010 - 2011

Advising Theses

GÜVENİLİR A. F., Kesirli basamaktan denklemler için bazı eşitsizlikler, Doctorate, S.ASLIYÜCE(Student), 2019
GÜVENİLİR A. F., On generalized integral inequalities with applications in bio-mathematics and physical sciences, Doctorate, N.NESLİYE(Student), 2015
GÜVENİLİR A. F., Nabla ayrık kesirli analiz ve bazı eşitsizlikler, Postgraduate, M.KARAGÖZ(Student), 2014
GÜVENİLİR A. F., Ayrık kesirli basamaktan denklemler için başlangıç ve sınır değer problemleri, Postgraduate, S.ASLIYÜCE(Student), 2013
GÜVENİLİR A. F., İkinci basamaktan süper yarı-lineer dinamik denklemlerde için salınım teorisi, Postgraduate, F.NIZIGIYIMANA(Student), 2013
GÜVENİLİR A. F., İkinci basamaktan diferensiyel denklemler için aralık salınım kriteri, Postgraduate, N.ÇAVUNT(Student), 2012
GÜVENİLİR A. F., Fonksiyonel diferensiyel denklemler için monoton iterasyon tekniği, Postgraduate, M.METİNEREN(Student), 2009

Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Ankara Üniversitesi, September, 2022
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Gazi Üniversitesi, February, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **NEW FRACTIONAL ORDER DISCRETE GRUSS TYPE INEQUALITY**
ASLIYÜCE S., GÜVENİLİR A. F.
MATHEMATICA SLOVACA, vol.71, no.1, pp.33-42, 2021 (SCI-Expanded)
- II. **Oscillation criteria for a certain class of fractional order integro-differential equations**
ASLIYÜCE S., GÜVENİLİR A. F., Zafer A.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.46, no.2, pp.199-207, 2017 (SCI-Expanded)
- III. **Necessary and sufficient condition for existence of periodic solutions of predator-prey dynamic systems with Beddington-DeAngelis-type functional response**
PELEN N. N., GÜVENİLİR A. F., Kaymakçalan B.
ADVANCES IN DIFFERENCE EQUATIONS, vol.2016, pp.1-19, 2016 (SCI-Expanded)
- IV. **Behavior of the Solutions for Predator-Prey Dynamic Systems with Beddington-DeAngelis Type Functional Response on Periodic Time Scales in Shifts**
Pelen N. N., GÜVENİLİR A. F., Kaymakçalan B.
Abstract and Applied Analysis, vol.2016, 2016 (SCI-Expanded)
- V. **Constantin's inequality for nabla and diamond-alpha derivative**
GÜVENİLİR A. F., Kaymakçalan B., Pelen N. N.
JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2015, 2015 (SCI-Expanded)
- VI. **Discrete Gruss type inequality on fractional calculus**
Akin E., Asliyuce S., GÜVENİLİR A. F., Kaymakçalan B.
JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2015, 2015 (SCI-Expanded)
- VII. **Impulsive Predator Prey Dynamic Systems with Beddington DeAngelis Type Functional Response on the Unification of Discrete and Continuous Systems**
GÜVENİLİR A. F., KAYMAKÇALAN B., PELEN N. N.
Applied Mathematics, vol.6, pp.1649-1664, 2015 (SCI-Expanded)
- VIII. **Nabla discrete fractional Gruss type inequality**
GÜVENİLİR A. F., Kaymakçalan B., Peterson A. C., TAŞ K.
JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2014, 2014 (SCI-Expanded)
- IX. **Mixed nonlinear oscillation of second order forced dynamic equations**
GÜVENİLİR A. F., ŞAHİNER Y., Zafer A.
Dynamic Systems and Applications, vol.19, no.3-4, pp.635-650, 2010 (SCI-Expanded)
- X. **Interval oscillation of second-order functional differential equations with oscillatory potentials**
GÜVENİLİR A. F.
Nonlinear Analysis, Theory, Methods and Applications, vol.71, no.12, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **CHEBYSHEV TYPE INEQUALITIES WITH FRACTIONAL DELTA AND NABLA H-SUM OPERATORS**
ASLIYÜCE S., GÜVENİLİR A. F.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.70, no.1, pp.357-365, 2021 (ESCI)
- II. **Fractional Jensen's inequality**
ASLIYÜCE S., GÜVENİLİR A. F.
Palestine Journal of Mathematics, vol.7, no.2, pp.554-558, 2018 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Inequalities with Fractional Operators**
ASLIYÜCE S., GÜVENİLİR A. F.
International Conference on Mathematics and Mathematics Education, Şanlıurfa, Turkey, 11 - 13 May 2017
- II. **Chebyshev's Inequality with Fractional Summation Operator**
ASLIYÜCE S., GÜVENİLİR A. F.
International Workshop on Mathematical Methods in Engineering, Ankara, Turkey, 27 - 29 April 2017
- III. **Oscillation results for a class of nonlinear fractional order equations**
ASLIYÜCE S., GÜVENİLİR A. F., Zafer A.
International Conference on Fractional Differentiation and its Applications, Novi-Sad, Serbia, 18 July 2016 - 20 January 2017
- IV. **Grüss Inequality on Discrete Fractional Calculus with delta operator**
ASLIYÜCE S., GÜVENİLİR A. F.
International Conference on Pure and Applied Mathematics ICPAM 2015, 25 - 28 August 2015
- V. **Some Results on Predator Prey Dynamic Systems with Beddington DeAngelis Type Functional Response**
GÜVENİLİR A. F., KAYMAKÇALAN B., PELEN N. N.
International Conference on Pure and Applied Mathematics ICPAM 2015, 25 - 28 August 2015
- VI. **Ayrık Kesirli Analizde Grüss Tipi Eşitsizlik**
GÜVENİLİR A. F.
II. Kadın Matematikçiler Derneği Çalıştayı, Turkey, 1 - 03 May 2015
- VII. **nabla discrete fractional grüss type inequality**
GÜVENİLİR A. F., PETERSON A. C., TAŞ K., KAYMAKÇALAN B.
IECMSA-2014 3rd International Eurasian Conference on Mathematical Sciences and Applications, 25 - 28 August 2014
- VIII. **On oscillation theory in fractional calculus**
GÜVENİLİR A. F.
Progress on difference equations, 21 - 24 May 2014

Expert Reports

- I. **A mathematical model for the management of a renewable resource by the population and Modified Effort Function**
GÜVENİLİR A. F.
2017

Metrics

Publication: 21
Citation (WoS): 19
Citation (Scopus): 29
H-Index (WoS): 3
H-Index (Scopus): 4

Artistic Activity

GÜVENİLİR A. F., Astronomi ve Uzay Bilimleri Biyoloji, Fizik, İstatistik, Kimya, Matematik, May 2016