Asst. Prof. Gülseren ÇİÇEK

Personal Information

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International Researcher IDs
ScholarID: p7MvfYkAAAAJ
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Publons / Web Of Science ResearcherID: AAE-6013-2020
ScopusID: 57212452586
Yoksis Researcher ID: 115873

Education Information

Doctorate, Istanbul University, Institute of Graduate Studies In Sciences, Matematik/Matematik, Turkey 1999 - 2005
Postgraduate, Istanbul University, Institute of Graduate Studies In Sciences, Matematik/Matematik, Turkey 1996 - 1999
Undergraduate, Istanbul University, Faculty Of Science, Matematik, Turkey 1991 - 1995

Foreign Languages

English, B2 Upper Intermediate
Bulgarian, C1 Advanced
Russian, B1 Intermediate

Dissertations

Doctorate, Diferansiyel Dahiletmelerde Bolza Problemi ve Dualitesi, Istanbul University, Institute of Graduate Studies In Sciences, Matematik/Matematik, 2005
Postgraduate, Metriklenebilme Teorisinden Sonuçlar , Istanbul University, Institute of Graduate Studies In Sciences, Matematik/Matematik, 1999

Research Areas

Mathematics, Optimization, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Istanbul University, Faculty of Science, Department of Mathematics, 2018 - Continues
Assistant Professor, Istanbul University, Faculty of Science, Department of Mathematics, 2006 - 2018

Academic and Administrative Experience

Courses

Optimal Süreçler I, Postgraduate, 2024 - 2025, 2020 - 2021
Analiz 3, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023
KONVEKS PROGRAMLAMA VE OPTİMİZASYON, Doctorate, 2024 - 2025, 2023 - 2024
OPTİMAL SÜREÇLER I, Postgraduate, 2023 - 2024
Kişisel Proje 4, Undergraduate, 2022 - 2023
Matematik, Undergraduate, 2022 - 2023
KOMPLEKS ANALİZ I, Undergraduate, 2023 - 2024, 2014 - 2015
Analiz 4, Undergraduate, 2022 - 2023
İleri Analiz, Undergraduate, 2022 - 2023
Analitik Fonksiyonlar Teorisi I, Postgraduate, 2021 - 2022, 2020 - 2021
Fonksiyonel Analiz, Undergraduate, 2021 - 2022
Kişisel Proje III, Undergraduate, 2022 - 2023
Optimal Processes I, Postgraduate, 2021 - 2022, 2019 - 2020
Karmaşık Analiz, Undergraduate, 2021 - 2022
Optimal Süreçler 1, Postgraduate, 2021 - 2022
İleri analiz, Undergraduate, 2019 - 2020
Analiz IV, Undergraduate, 2019 - 2020
Analiz IV, Undergraduate, 2019 - 2020
Analiz II, Undergraduate, 2019 - 2020
İleri Analiz, Undergraduate, 2019 - 2020
Analiz III, Undergraduate, 2020 - 2021
Analiz I, Undergraduate, 2020 - 2021
Analiz II, Undergraduate, 2019 - 2020
Analiz III(II.öğr), Undergraduate, 2019 - 2020
Analiz III(A+F), Undergraduate, 2019 - 2020
Analiz I(A+M), Undergraduate, 2019 - 2020
ANALYTIC FUNCTIONS THEORY I, Postgraduate, 2018 - 2019
Analiz III(M), Undergraduate, 2019 - 2020
Analiz II(II.öğr.), Undergraduate, 2017 - 2018, 2016 - 2017
ANALİZ II, Undergraduate, 2017 - 2018, 2016 - 2017, 2014 - 2015
Analitik Fonksiyonlar Teorisi I, Postgraduate, 2017 - 2018, 2014 - 2015, 2013 - 2014
Analiz III(F), Undergraduate, 2018 - 2019
Analiz III(A), Undergraduate, 2018 - 2019
İleri Analiz, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014
İleri Analiz (II.Öğretim), Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014
Analiz III(M), Undergraduate, 2018 - 2019
ANALİZ II (II.Öğr.), Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
Analiz I(F+A), Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016
ANALİZ I, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Analiz I(II.öğr.), Undergraduate, 2017 - 2018
Analiz II(örgün), Undergraduate, 2015 - 2016
Matematik II, Undergraduate, 2015 - 2016
Analiz I(M), Undergraduate, 2016 - 2017
MATEMATİK II, Undergraduate, 2014 - 2015
KOMPLEKS ANALİZ II, Undergraduate, 2014 - 2015
ANALİZ I (II.Öğr.), Undergraduate, 2015 - 2016, 2014 - 2015

Matematik I, Undergraduate, 2015 - 2016

Analiz I(II.Öğretim), Undergraduate, 2015 - 2016, 2013 - 2014

MATEMATİK I, Undergraduate, 2014 - 2015

Analiz II, Undergraduate, 2013 - 2014

Matematik II, Undergraduate, 2013 - 2014

KOMPLEKS ANALİZ I, Undergraduate, 2014 - 2015

Matematik I, Undergraduate, 2013 - 2014

Mesleki İngilizce (II.Öğretim), Undergraduate, 2013 - 2014

Analiz I(Tek), Undergraduate, 2013 - 2014

Optimal Süreçler I, Postgraduate, 2013 - 2014

Mesleki İngilizce, Undergraduate, 2013 - 2014

Analiz II, Undergraduate, 2011 - 2012

Öğretmenlik Uygulaması, Undergraduate, 2012 - 2013

Matematik I, Undergraduate, 2012 - 2013

Analiz II(II.Öğretim), Undergraduate, 2012 - 2013

Optimal Süreçler I, Postgraduate, 2012 - 2013

Analiz I, Undergraduate, 2012 - 2013

Matematik II, Undergraduate, 2011 - 2012

Analiz I(II.Öğretim), Undergraduate, 2012 - 2013

Mesleki İngilizce, Undergraduate, 2012 - 2013

Fonksiyonel Analiz(II.Öğretim), Undergraduate, 2011 - 2012

Mesleki İngilizce, Undergraduate, 2012 - 2013

Analizden Konular, Postgraduate, 2011 - 2012

Diferansiyel Denklemler I(F), Undergraduate, 2011 - 2012, 2010 - 2011

Diferansiyel Denklemler I(F-II.Öğr.), Undergraduate, 2011 - 2012, 2010 - 2011

Analiz I(F-II.Öğret.), Undergraduate, 2010 - 2011

Lineer Cebir I, Undergraduate, 2010 - 2011

Analiz I(F), Undergraduate, 2010 - 2011

Matematik I(Orm.F.), Undergraduate, 2008 - 2009

Kompleks Analiz II, Undergraduate, 2007 - 2008, 2006 - 2007

Matematik I(Orm.Fak), Undergraduate, 2008 - 2009

Matematik I(Orm.F.), Undergraduate, 2008 - 2009

Kompleks Analiz I, Undergraduate, 2008 - 2009, 2007 - 2008, 2006 - 2007

Sayısal Analiz, Undergraduate, 2007 - 2008

Advising Theses

Çiçek G., İkinci mertebeden bir tarama sürecinin optimalliği için gerekli koşullar, Postgraduate, B.AKGÜN(Student), 2022

Çiçek G., OPTIMIZATION PROBLEM WITH SECOND ORDER SEMILINEAR DIFFERANTIAL INCLUSION, Postgraduate, Ş.Keskin(Student), 2019

Çiçek G., İkinci Mertebeden Diferansiyel İçermeli Optimizasyon Problemleri, Postgraduate, G.BOZCU(Student), 2016

Çiçek G., Uludağ A. M., Lp uzaylarında Konvolüsyon ve Süreklilik, Postgraduate, N.Günçavdı(Student), 2011

Jury Memberships

Academic Staff Examination, Anabilim Dalı Araştırma Görevlisi Sınavı, İstanbul Üniversitesi, October, 2018

Post Graduate, Tez Savunma Jürisi, Marmara Üniversitesi, June, 2018

Doctorate, Tez Savunma Jürisi, İstanbul Üniversitesi, May, 2018

Post Graduate, Tez Savunma Jürisi, Marmara Üniversitesi, April, 2012

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Optimization of Mayer functional in problems with discrete and differential inclusions and viability constraints**
Cicek G., Mahmudov E.
TURKISH JOURNAL OF MATHEMATICS, vol.45, pp.2084-2102, 2021 (SCI-Expanded)

II. **Optimization of differential inclusions of Bolza type and dualities**
Mahmudov E. N., Cicek G.
APPLIED AND COMPUTATIONAL MATHEMATICS, vol.6, no.1, pp.88-96, 2007 (SCI-Expanded)

Articles Published in Other Journals

I. **The problem of mayer for discrete and differential inclusions with initial boundary constraints**
ÇİÇEK G., Mahmudov E.
Applied Mathematics and Information Sciences, vol.10, no.5, pp.1719-1728, 2016 (Scopus)

II. **Some representations of Conjugate and Locally Conjugate Mappings**
Çiçek G., Mahmudov E.
İstanbul Üniversitesi Fen Fakültesi Matematik, Fizik ve Astronomi Dergisi, vol.1, pp.93-104, 2006 (Peer-Reviewed Journal)

III. **Optimization of differential inclusions of Bolza type with state constraints and duality**
Çiçek G., Mahmudov E.
CUBO. A MATHEMATICAL JOURNAL, vol.7, no.2, pp.21-38, 2005 (ESCI)

Books & Book Chapters

I. **Seriler ve Rezidüler**
Çiçek G., Uçar F., Güncan A. N., Gül E., Demir A., Yıldız İ., Kürem G., Dernek N.
in: "A First Course in Complex Analysis with Applications" çevirisi-Kompleks Analiz ve Uygulamaları, Dernek A., Editor, Nobel Akademik Yayıncılık, Ankara, pp.271-350, 2013

Refereed Congress / Symposium Publications in Proceedings

I. **Optimization of Lagrange Problem with State Constraints**
Çiçek G., Mahmudov E.
9th International Conference on Control and Optimization with Industrial Applications, İstanbul, Turkey, 27 - 29 August 2024, pp.89

II. **Optimization of the Hyperbolic Type Differential Inclusions Described by Polyhedral Set Valued Mappings**
Çiçek G., Mahmudov E. N.
2023 5th International Conference on Problems of Cybernetics and Informatics (PCI), Baku, Azerbaijan, 28 - 30 August 2023, pp.1-4

III. **Optimization Of The Lagrange Problem With Second Order Differential Inclusions And Boundary Value Conditions**
ÇİÇEK G.
The 8.International Conference on Control and Optimization with Industrial Applications, Baku, Azerbaijan, 24 August 2022

IV. **Optimization of Second Order Evolution Differential Inclusions Problem with Phase Con- straints**
Çiçek G., Mahmudov E.

3 rd INTERNATIONAL CONFERENCE OF MATHEMATICAL SCIENCES, İstanbul, Turkey, 4 - 08 September 2019, pp.40

V. **Optimality conditions of second order differential inclusions with viable constraint**
ÇİÇEK G.
International Conference on Applied Mathematics, Modeling and Life Sciences, İstanbul, Turkey, 03 October 2018, pp.51

VI. **Necessary and Sufficient Conditions for the Second Order Discrete and Differential Inclusions with Viable Constraints**
Cicek G.
2nd International Conference of Mathematical Sciences (ICMS), İstanbul, Turkey, 31 July - 06 August 2018, vol.2086

VII. **Optimization of Second Order Evolution Differential Inclusions Problem with Phase Constraints**
Cicek G., Mahmudov E.
3rd International Conference of Mathematical Sciences (ICMS), İstanbul, Turkey, 4 - 08 September 2019, vol.2183

VIII. **Optimality conditions for second order differential inclusions with viable constraint**
ÇİÇEK G.
International Conference on Applied Mathematics, Modeling and Life Scence Problems, İstanbul, Turkey, 3 - 05 October 2018, pp.51

IX. **Necessary and Sufficient Conditions for the Second order Differential Inclusions with Viable Constraint**
ÇİÇEK G.
2nd International Conference of Mathematical Sciences, İstanbul, Turkey, 31 July - 06 August 2018, pp.70

X. **Optimization of Second Order Differential Inclusions For Mayer Problem with Viable Constraint**
ÇİÇEK G.
7th International Conference on AppliedAnalysis and Mathematical Modeling, İstanbul, Turkey, 20 - 24 June 2018, pp.287

XI. **Viability Problem for Second Order Differential Inclusions**
ÇİÇEK G., Mahmudov E.
2nd International Conference on Analysis and its Applications, Kırşehir, Turkey, 12 - 15 July 2016, pp.128

XII. **The Problem of Mayer for Discrete and Differential Incusions with Initial Boundary Constraints**
ÇİÇEK G., Mahmudov E. N.
5th International Conference on Control and Optimization with Industrial Applications, Baku, Azerbaijan, 27 - 29 August 2015, pp.56-58

XIII. **The Problem of Mayer for Discrete and Differential Inclusions with Initial Boundary Constraints**
ÇİÇEK G., Mahmudov E.
5th International Conference on Control and Optimization with Industrial Applications, Baku, Azerbaijan, 27 - 29 August 2015, pp.56-58

XIV. **Optimization of second Order Discrete Approximation Inclusions**
ÇİÇEK G., Mahmudov E.
13th Viennese Workshop on Optimal Control and Dynamic Games, Viyana, Austria, 13 - 16 May 2015, pp.130

XV. **Optimization of Second Order Discrete and Differential Inclusions**
ÇİÇEK G., Elimhan M.
13.Viennese Workshop on Optimal Control and Dynamic Games, Viyana, Austria, 13 - 16 May 2015, pp.130

XVI. **Değişmeli Zaman aralığında Bolza Tipinde Diferansiyel Dahil etmeli Optimal Kontrol**
Çiçek G., Mahmudov E.
19.Ulusal Matematik Sempozyumu, Kütahya, Turkey, 1 - 04 September 2006, vol.1, no.1, pp.228-239

XVII. **Optimization of Differential Inclusions of Bolza Type and Duality**
ÇİÇEK G., Mahmudov E.
Control and Optimization with Industrial Applications-COIA, Azerbaijan, 1 - 04 May 2005, vol.1, no.1, pp.65-66

XVIII. **Optimization of Differential Inclusions of Bolza type with state constraints and Duality**
ÇİÇEK G., Mahmudov E.

16.Ulusal Matematik Sempozyumu, Van, Turkey, 1 - 04 September 2003, pp.44

Memberships / Tasks in Scientific Organizations

Türk Matematik Derneği, Member, 1996 - Continues

Scientific Refereeing

OPTIMIZATION, SCI Journal, March 2022
AN INTERNATİONAL JOURNAL OF OPTİMİZATİON AND CONTROL: THEORİES & APPLİCATİONS (IJOCTA), Other Indexed Journal, February 2021

Metrics

Publication: 24
Citation (WoS): 1
Citation (Scopus): 4
H-Index (WoS): 1
H-Index (Scopus): 1

Congress and Symposium Activities

The 9th International Conference on Control and Optimization with Industrial Applications, Attendee, İstanbul, Turkey, 2024

5th International Conference on Problems of Cybernetics and Informatics(PCI2023), Attendee, Baku, Azerbaijan, 2023

The 8th International Conference on Control and Optimization with Industrial Applications, Attendee, Baku, Azerbaijan, 2022

International Conference on Applied Mathematics, modeling and Life Sciences, Attendee, Turkey, 2018

2nd International Conference of Mathematical Sciences, Attendee, İstanbul, Turkey, 2018

7th International Conference on Applied Analysis and Mathematical Modeling, Attendee, İstanbul, Turkey, 2018

2nd International Conference on Analysis and its Applications, Attendee, Kırşehir, Turkey, 2016

5th International Conference on Control and Optimization with Industrial Applications, Attendee, Baku, Azerbaijan, 2015

13.th Viennese Workshop on Optimal Control and Dynamic Games, Attendee, Viyana, Austria, 2015

Bargem Fen Bilimleri 1. Sempozyumu, Attendee, İstanbul, Turkey, 2006

19.Ulusal Matematik Sempozyumu, Attendee, Kütahya, Turkey, 2006

Control and Optimization with Industrial Applications-COIA, Attendee, Bakü, Azerbaijan, 2005

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