

Assoc. Prof. Gül KARADENİZ GÖZERİ

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAE-5431-2020

Yoksis Researcher ID: 175838

Education Information

Doctorate, Istanbul University, Institute of Graduate Studies In Sciences, Matematik, Turkey 2006 - 2013

Foreign Languages

German, B1 Intermediate

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Foreign Language, Almanca Kursu, Goethe Enstitüsü, 2009

Dissertations

Doctorate, Bazı Kuvvet Serilerinin Aritmetik Özellikleri ve Belirli Reel Kuadratik Sayı Cisimlerinin Temel Birimleri,

Istanbul University, Institute of Graduate Studies In Sciences, Matematik Anabilim Dalı, 2011

Postgraduate, Fibonacci ve Pell Sayıları İle Tamsayıların Zeckendorf Gösterimleri, Gazi University, Fen Bilimleri Enstitüsü, Matematik, 2006

Research Areas

Mathematics, Number Theory, Natural Sciences

Academic Titles / Tasks

Associate Professor, Istanbul University, Faculty of Science, Department of Mathematics, 2017 - Continues

Assistant Professor, Istanbul University, Faculty of Science, Department of Mathematics, 2014 - 2017

Research Assistant PhD, Istanbul University, Faculty of Science, Department of Mathematics, 2013 - 2014

Academic and Administrative Experience

İstanbul Üniversitesi, Faculty of Science, Department of Mathematics, 2017 - Continues

Rehberlik Danışmanlık ve Sosyal Destek Birimi Matematik Bölüm Temsilcisi, Istanbul University, Faculty Of Science, Department of Mathematics, 2007 - 2020

Courses

PELL VE PELL-LUCAS SAYILARI, Doctorate, 2022 - 2023

BALANS VE COBALANS SAYILARI, Postgraduate, 2022 - 2023

ÜÇGENSEL VE KARE-ÜÇGENSEL SAYILAR, Doctorate, 2022 - 2023

FIBONACCI VE LUCAS SAYILARI, Postgraduate, 2022 - 2023

Matematiğin Temelleri Ve Mantık I (Fen Fakültesi, Matematik Bölümü), Undergraduate, 2017 - 2018, 2016 - 2017

Soyut Matematik II (Fen Fakültesi Matematik Bölümü İkinci Öğretim), Undergraduate, 2016 - 2017

Matematiğin Temelleri ve Mantık I (Fen Fakültesi, Astronomi ve Uzay Bilimleri Bölümü), Undergraduate, 2017 - 2018, 2016 - 2017

Matematiğin Temelleri ve Mantık II (Fen Fakültesi, Matematik Bölümü, İkinci Öğretim), Undergraduate, 2016 - 2017

Soyut Matematik II (Fen Fakültesi Matematik Bölümü), Undergraduate, 2016 - 2017

Matematiğin Temelleri ve Mantık II (Fen Fakültesi, Astronomi ve Uzay Bilimleri Bölümü), Undergraduate, 2016 - 2017

Matematik (Fen Fakültesi, Moleküler Biyoloji ve Genetik Bölümü), Undergraduate, 2016 - 2017

Soyut Matematik I (Fen Fakültesi Matematik Bölümü İkinci Öğretim), Undergraduate, 2016 - 2017

Soyut Matematik I (Fen Fakültesi Matematik Bölümü), Undergraduate, 2016 - 2017

Matematik (Fen Fakültesi, Biyoloji Bölümü), Undergraduate, 2016 - 2017

Matematik II (Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği Bölümü), Undergraduate, 2015 - 2016

Matematik II (Mühendislik Fakültesi, Makine Mühendisliği Bölümü), Undergraduate, 2015 - 2016

Matematik II (Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü), Undergraduate, 2015 - 2016

Matematiğin Temelleri ve Mantık I (Fen Fakültesi, Matematik Bölümü, İkinci Öğretim), Undergraduate, 2016 - 2017

Matematik II (Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü), Undergraduate, 2015 - 2016

Matematik I (Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği Bölümü), Undergraduate, 2015 - 2016

Matematik I (Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü), Undergraduate, 2015 - 2016

Matematik I (Mühendislik Fakültesi, Makine Mühendisliği Bölümü), Undergraduate, 2015 - 2016

Matematik I (Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü), Undergraduate, 2015 - 2016

Lineer Cebir (Orman Fakültesi, Orman Endüstri Mühendisliği Bölümü), Undergraduate, 2013 - 2014

Advising Theses

Karadeniz Gözeri G., Belirli tam sayı dizilerinin cebirsel özellikleri, Postgraduate, A.BYTYQI(Student), 2023

Karadeniz Gözeri G., 3-şift balans sayıları üzerine bazı cebirsel özdeşlikler, Postgraduate, E.ÖZER(Student), 2023

Karadeniz Gözeri G., B_3-alt balans ve b_3-lucas alt balans sayılarının cebirsel özellikleri, Postgraduate, S.SARI(Student), 2021

Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, İstanbul Üniversitesi, August, 2022

Doctorate, Doctorate, Hazara University, February, 2021

Post Graduate, Post Graduate, Balıkesir Üniversitesi, June, 2019

Doctoral Examination, Doctoral Examination, İstanbul Üniversitesi, May, 2017

Doctorate, Doktora Tez Jürisi, Yıldız Teknik Üniversitesi, September, 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **b3-subbalancing and b3-Lucas subbalancing numbers**
Sari S., Gözeri G. K.
Filomat, vol.37, no.22, pp.7623-7639, 2023 (SCI-Expanded)
- II. **On Pell, Pell-Lucas, and balancing numbers**
Gozeri G.
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2018 (SCI-Expanded)
- III. **SOME ALGEBRAIC RELATIONS ON BALANCING NUMBERS**
Gozeri G., Ozkoc A., Tekcan A.
UTILITAS MATHEMATICA, vol.103, pp.217-236, 2017 (SCI-Expanded)
- IV. **TRIANGULAR AND SQUARE TRIANGULAR NUMBERS INVOLVING GENERALIZED PELL NUMBERS**
Ozkoc A., TEKCAN A., Gozeri G.
UTILITAS MATHEMATICA, pp.231-254, 2017 (SCI-Expanded)
- V. **On the transcendence of some power series**
Gozeri G. K., Pekin A., Kilicman A.
ADVANCES IN DIFFERENCE EQUATIONS, 2013 (SCI-Expanded)
- VI. **On some power series with algebraic coefficients and Liouville numbers**
Gozeri G.
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Finding the Fundamental Solutions of the Pell Equation $x^2 - dy^2 = \pm 1$ by determining the Right Neighbor of $F = (d, 0, -1)$**
Tekcan A., Karadeniz Gözeri G.
Libertas Mathematica (new series), vol.38, pp.45-57, 2018 (Peer-Reviewed Journal)
- II. **Matrix Continued Fraction Expansion of Bessel Function**
Kacha A., KARADENİZ GÖZERİ G., Belhroukia K.
New Trends in Mathematical Sciences, vol.4, pp.1-8, 2016 (Peer-Reviewed Journal)
- III. **On the Fundamental Units of Some Real Quadratic Fields**
KARADENİZ GÖZERİ G.
SELÇUK JOURNAL OF APPLIED MATHEMATICS, vol.15, pp.47-57, 2014 (Peer-Reviewed Journal)
- IV. **Explicit Form of Fundamental Units of Certain Real Quadratic Fields**
KARADENİZ GÖZERİ G., PEKİN A.
EUROPEAN JOURNAL OF PURE AND APPLIED MATHEMATICS, vol.7, pp.55-64, 2014 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **On a Class of Fourth Order Linear Recursive Sequences**
Karadeniz Gözeri G.
IV International Conference on Mathematics and its Applications in Science and Engineering 12-14 July 2023, Madrid, Spain, 12 - 14 July 2023, pp.70
- II. **On Fuzzy Boolean Algebra With Respect To New Fuzzy Logic Conjunction**
Çuvalcıoğlu G., Karadeniz Gözeri G.
9th International Ifs Contemporary Mathematics And Engineering Conference, Mersin, Turkey, 8 - 11 July 2023, pp.250
- III. **Algebraic properties of certain Lucas sequences**
Bytyqi Bequri A., Karadeniz Gözeri G.

7th International Conference of Mathematical Sciences - ICMS 2023, İstanbul, Turkey, 5 - 09 July 2023, pp.90

IV. Some Results on b3-subbalancing Numbers

Sarı S., Karadeniz Gözeri G.

6th International HYBRID Conference on Mathematical Advances and Applications (ICOMAA-2023), İstanbul, Turkey, 10 - 13 May 2023, pp.170

V. A Note on the Balancing-like and Lucas-balancing-like Sequences

KARADENİZ GÖZERİ G.

International Conference on Mathematics and Mathematics Education (ICMME-2022), Denizli, Turkey, 22 - 24 September 2022

VI. Some results on the sequence of k-balancing numbers

KARADENİZ GÖZERİ G.

4. International Conference on Mathematics: An Istanbul Meeting for World Mathematicians (ICOM-2020), İstanbul, Turkey, 27 - 30 October 2020

VII. A STUDY ON THE SUMS INVOLVING TRIANGULAR NUMBERS AND FACTORIALS

Karadeniz Gözeri G.

International Science and Technology Conference (ISTEC-2018), Paris, France, 18 - 20 July 2018, pp.46

VIII. Some Results on the Sequence of Lucas-balancing Numbers

Karadeniz Gözeri G.

International Conference on Mathematics, İstanbul, Turkey, 3 - 06 July 2018, pp.415

IX. Gaussian Associated Pell Numbers

Karadeniz Gözeri G.

International Conference on Mathematics, İstanbul, Turkey, 3 - 06 July 2018, pp.414

X. A Note on the Sequence of Balancing Numbers

KARADENİZ GÖZERİ G.

6th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2017), Budapest, Hungary, 15 - 18 August 2017, pp.20

XI. Some Remarks on Pell and Associated Pell Numbers

KARADENİZ GÖZERİ G.

International Conference on Applied Analysis and Mathematical Modeling, ICAAAM-2017, Istanbul Gelisim University, İstanbul, Turkey, 3 - 07 July 2017, pp.105

XII. On Some Properties of Balancing Numbers

KARADENİZ GÖZERİ G.

International Conference on Mathematics and Engineering, ICOME-2017, Yıldız Technical University, İstanbul, Turkey, 10 - 12 May 2017, pp.375

XIII. A Note on the Sequence of Associated Pell Numbers

KARADENİZ GÖZERİ G.

International Conference on Mathematics and Engineering, ICOME-2017, Yıldız Technical University, İstanbul, Turkey, 10 - 12 May 2017, pp.333

XIV. Triangular and Square Triangular Numbers

KARADENİZ GÖZERİ G., Özkoç A., Tekcan A.

International Conference "Numerical Computations: Theory and Algorithms", Falerna (Cz), Italy, 17 - 23 June 2013, pp.84

XV. On Some Power Series with Algebraic Coefficients and Liouville Numbers

KARADENİZ GÖZERİ G.

International Congress in Honour of Professor H. M. Srivastava, Uludağ University, Bursa, Turkey, 23 - 26 August 2012, pp.175

XVI. Explicit Form of Fundamental Units of Certain Quadratic Fields and Period Eight

KARADENİZ GÖZERİ G., PEKİN A.

International Conference on Applied Analysis and Algebra, Yıldız Technical University, İstanbul, Turkey, 20 - 24 June 2012, pp.99

XVII. Belirli Reel Kuadratik Sayı Cisimlerinin Temel Birimleri

KARADENİZ GÖZERİ G., PEKİN A.

7. Ankara Matematik Günleri, Bilkent Üniversitesi, Ankara, Turkey, 1 - 04 June 2012, pp.43

XVIII. Explicit Form of Fundamental Units of Certain Quadratic Fields and Period Seven

KARADENİZ GÖZERİ G., PEKİN A.

International Conference on Theory and Applications in Mathematics and Informatics, ICTAMI, Alba Lulia, Romania, 21 - 24 July 2011, pp.57

XIX. Continued Fractions of Period Seven and Explicit Representation of the Fundamental Units of Certain Real Quadratic Fields

KARADENİZ GÖZERİ G., PEKİN A.

International Conference on Applied Analysis and Algebra, Yıldız Technical University, İstanbul, İstanbul, Turkey, 29 June - 02 July 2011, pp.121

XX. Rasyonel Katsayılı Bazı Kuvvet Serilerinin Liouville Sayıları Argümanlar İçin Aldığı Değerlerin Transandantlığı Üzerine Bir İnceleme

KARADENİZ GÖZERİ G.

6. Ankara Matematik Günleri, Hacettepe Üniversitesi, Ankara, Turkey, 2 - 03 June 2011, pp.57

XXI. Rasyonel Katsayılı Bazı Kuvvet Serileri ve Mahler'in U-Sayıları

KARADENİZ GÖZERİ G.

XXIII. Ulusal Matematik Sempozyumu, Erciyes Üniversitesi, Kayseri, Turkey, 4 - 07 August 2010, pp.88

Supported Projects

KARADENİZ GÖZERİ G., Project Supported by Higher Education Institutions, On Pell, Pell-Lucas and balancing numbers, 2018 - 2019

KARADENİZ GÖZERİ G., Project Supported by Higher Education Institutions, A Note on the Sequence of Balancing Numbers, 2017 - 2017

KARADENİZ GÖZERİ G., Project Supported by Higher Education Institutions, Triangular and Square Triangular Numbers, 2013 - 2013

Karadeniz Gözeri G., Project Supported by Higher Education Institutions, Bazı Kuvvet Serilerinin Aritmetik Özellikleri ve Belirli Reel Kuadratik Sayı Cisimlerinin temel Birimleri, 2010 - 2011

Memberships / Tasks in Scientific Organizations

Research Center of Education and Science, Consultant, 2017 - Continues

American Mathematical Society, Member, 2016 - Continues

Scientific Refereeing

Project Supported by Higher Education Institutions, BAP Research Project, Bursa Uludağ University, Turkey, May 2023

Discussiones Mathematicae General Algebra and Applications, Other Indexed Journal, July 2019

Boletim da Sociedade Paranaense de Matemática, Other Indexed Journal, May 2016

Advances in Difference Equations, SCI Journal, May 2013

Metrics

Publication: 31

Citation (WoS): 5

Citation (Scopus): 5

H-Index (WoS): 2

H-Index (Scopus): 1

Congress and Symposium Activities

6th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2017), Attendee, Budapest, Hungary, 2017

International Conference on Applied Analysis and Mathematical Modeling, ICAAAM-2017, Istanbul Gelişim University, Attendee, İstanbul, Turkey, 2017

International Conference on Mathematics and Engineering, ICOME-2017, Yıldız Technical University, Attendee, İstanbul, Turkey, 2017

International Conference "Numerical Computations:Theory and Algorithms", Italya, Attendee, Falerna (CZ), Italy, 2013

International Congress in Honour of Professor H. M. Srivastava, Uludağ Üniversitesi, Attendee, Bursa, Turkey, 2012

International Conference on Applied Analysis and Algebra, Yıldız Technical University, Attendee, İstanbul, Turkey, 2012

7. Ankara Matematik Günleri, Bilkent Üniversitesi, Attendee, Ankara, Turkey, 2012

International Conference on Theory and Applications in Mathematics and Informatics, ICTAMI, Romanya, Attendee, Alba Iulia, Romania, 2011

International Conference on Applied Analysis and Algebra, Yıldız Technical University, Attendee, İstanbul, Turkey, 2011

6. Ankara Matematik Günleri, Hacettepe Üniversitesi, Attendee, Ankara, Turkey, 2011

XXIII. Ulusal Matematik Sempozyumu, Erciyes Üniversitesi, Attendee, Kayseri, Turkey, 2010

Awards

KARADENİZ GÖZERİ G., Tübitak-Ulakbim Yayın Teşvik (Uluslararası Bilimsel Yayınları Teşvik Programı (UBYT), TÜBİTAK-ULAKBİM, September 2013