

Doç. Dr. Ayten ÖZKAN

Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: AAA-5138-2019

ScopusID: 57209079401

Yoksis Araştırmacı ID: 174971

Eğitim Bilgileri

Doktora, Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, Türkiye 1992 - 1999

Yüksek Lisans, Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, Türkiye 1989 - 1991

Lisans, Marmara Üniversitesi, Fen - Edebiyat Fakültesi, Matematik Bölümü, Türkiye 1984 - 1988

Yaptığı Tezler

Doktora, K tek sayı olmak üzere (v, k, λ) -simetrik dizaynın C-kodu için bir olasılık fonksiyonu tayini ve düzensizlik ölçüsü önerisi, Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2000

Araştırma Alanları

Matematik, Diferansiyel denklemler, Temel Bilimler

Akademik Unvanlar / Görevler

Doç. Dr., Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2024 - Devam Ediyor

Dr. Öğr. Üyesi, Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2018 - 2024

Yrd. Doç. Dr., Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2003 - 2018

Yönetilen Tezler

Özkan A., OPTİK FİBERDE KULLANILAN DALGA DENKLEMLERİNİN İNCELENMESİ, Yüksek Lisans, S.Demirkaya(Öğrenci), Devam Ediyor

Özkan A., BİRİMSİZ HALKALARIN R-İDEALLERİ, Yüksek Lisans, S.Tekeş(Öğrenci), Devam Ediyor

Özkan A., LİNEER OLMAYAN KISMİ DİFERANSİYEL DENKLEMLERİN ANALİTİK ÇÖZÜMLERİ İÇİN YÖNTEMLERİN ARAŞTIRILMASI, Yüksek Lisans, N.Özdemir(Öğrenci), 2024

Özkan A., Değişmeli Olmayan Aykırı Polinom Halkaları Üzerinde Tanımlı DNA kodlar, Doktora, F.GÜRİSOY(Öğrenci), 2019

Özkan A., 10. sınıf öğrencilerinin analitik geometride hata ve kavram yanlışlarının analizi, Yüksek Lisans, S.KARAPIÇAK(Öğrenci), 2018

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A novel study of analytical solutions of some important nonlinear fractional differential equations in fluid dynamics**
Özkan A., Özkan E. M.
MODERN PHYSICS LETTERS B, cilt.39, sa.11, ss.1-17, 2025 (SCI-Expanded)
- II. **A study on analytical solutions of one of the important shallow water wave equations and its stability analysis**
Deniz H. A., Özkan E. M., Özkan A.
PHYSICA SCRIPTA, cilt.99, sa.12, ss.1-15, 2024 (SCI-Expanded)
- III. **A view of optical soliton solution of the coupled Schrödinger Equation with a different approach**
Özkan A., Özdemir N., Özkan E. M.
PHYSICA SCRIPTA, cilt.99, sa.8, ss.1-12, 2024 (SCI-Expanded)
- IV. **A view of solitary wave solutions to the fractional DNA Peyrard-Bishop equation via a new approach**
Özkan A.
PHYSICA SCRIPTA, cilt.99, sa.5, ss.1-16, 2024 (SCI-Expanded)
- V. **A study of novel optical solutions of the space-time fractional cubic nonlinear Schrödinger equation**
ÖZKAN A., ÖZKAN E. M.
Optical and Quantum Electronics, cilt.56, sa.2, 2024 (SCI-Expanded)
- VI. **On the soliton solutions of some time conformable equations in fluid dynamics**
Özkan A.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, cilt.38, sa.2, ss.1-14, 2024 (SCI-Expanded)
- VII. **On the exact solutions of optical perturbed fractional Schrödinger equation**
Özkan E. M., Yıldırım Ö., Özkan A.
PHYSICA SCRIPTA, cilt.98, sa.11, ss.1-10, 2023 (SCI-Expanded)
- VIII. **On Exact Solutions of Some Space–Time Fractional Differential Equations with M-truncated Derivative**
Özkan A., Özkan E. M., Yıldırım O.
FRACTAL AND FRACTIONAL, cilt.2023, sa.7, ss.1-14, 2023 (SCI-Expanded)
- IX. **The Soliton Solutions for Some Nonlinear Fractional Differential Equations with Beta-Derivative**
ÖZKAN E. M., ÖZKAN A.
AXIOMS, cilt.10, sa.3, 2021 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **A study of 1-absorbing intuitionistic fuzzy ideals of commutative semirings**
Özkan E. M., Onar S., Özkan A., Kaplan İ.
Journal of Discrete Mathematical Sciences & Cryptography, cilt.1, sa.1, ss.1-17, 2025 (ESCI)
- II. **On 1-Absorbing Fuzzy Ideals of Commutative Semirings**
ÖZKAN E. M., ONAR S., ÖZKAN A., Kaplan İ.
Journal of Engineering Technology and Applied Sciences, cilt.8, sa.3, ss.131-141, 2023 (Hakemli Dergi)
- III. **CONSTRUCTION OF A PROBABILITY FUNCTION RELATED TO CODES GENERATED BY SYMMETRIC DESIGN**
ÖZKAN A.
International Journal of Recent Advances in Multidisciplinary Research, cilt.10, sa.8, ss.8705-8708, 2023 (Hakemli Dergi)

- IV. **On exact solutions of some important nonlinear conformable time-fractional differential equations**
Özkan E. M., Özkan A.
SeMA Journal, cilt.80, sa.2, ss.303-318, 2023 (Hakemli Dergi)
- V. **2-ABSORBING INTUITIONISTIC FUZZY IDEALS OF COMMUTATIVE SEMIRINGS**
Özkan E. M., Onar S., Özkan A., Ayan R.
JOURNAL OF SCIENCE AND ARTS, cilt.23, sa.1, ss.187-198, 2023 (ESCI)
- VI. **Exact solutions of the space time-fractional Klein-Gordon equation with cubic nonlinearities using some methods**
ÖZKAN A., ÖZKAN E. M.
COMPUTATIONAL METHODS FOR DIFFERENTIAL EQUATIONS, cilt.10, sa.3, ss.674-685, 2022 (ESCI)
- VII. **Analytical Solutions of the Nonlinear (2 + 1)-Dimensional Soliton Equation by Using Some Methods**
ÖZKAN A.
Journal of Engineering Technology and Applied Sciences, cilt.7, sa.2, ss.141-155, 2022 (Hakemli Dergi)
- VIII. **On the Misconceptions of 10th Grade Students about Analytical Geometry**
Özkan A., Özkan E. M., Karapıçak S.
The Educational Review, USA, cilt.2, sa.8, ss.417-426, 2018 (Hakemli Dergi)
- IX. **A Survey on the Factors Being Affected from Spectators of Basketball Players**
Özkan E. M., Özkan A.
The Educational Review, USA, cilt.2, sa.3, ss.217-221, 2018 (Hakemli Dergi)
- X. **A study on the visualization skills of 6th Grade Students**
ÖZKAN A., Arıkan E. E., ÖZKAN E. M.
Universal Journal of Educational Research, cilt.6, sa.2, ss.354-359, 2018 (Scopus)
- XI. **An examination in Turkey Error analysis of Mathematics students on group theory**
Arıkan E. E., Özkan E. M., Özkan A.
Educational Research and Reviews, cilt.10, sa.16, ss.2352-2361, 2015 (Hakemli Dergi)
- XII. **Error Correction İn Linear Codes With Computer**
Seçer A., Özkan A., Bayram M.
Dumlupınar Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.16, ss.31-38, 2008 (Hakemli Dergi)
- XIII. **Classification of rational singularities of surfaces**
ÖZÇUBUKCU Z., Tosun M., ÖZKAN A.
International journal of pure and applied mathematics, ss.85-110, 2007 (Hakemli Dergi)
- XIV. **On The Classification of Rational Singularities of Surfaces**
TOSUN M., ÖZKAN A., ZERRİN O.
INTERNATIONAL JOURNAL OF PURE AND APPLIED MATHEMATICS, cilt.41, sa.1, ss.85-110, 2007 (Hakemli Dergi)
- XV. **Fuzzy Grup ve Fuzzy İdealler Üzerine**
ÖZKAN A., ÖZKAN E. M., YENİ S. E.
Yıldız Teknik Üniversitesi Dergisi, cilt.1, ss.1-8, 2003 (Hakemli Dergi)
- XVI. **Bazı Cebirsel Yapılar Üzerine**
ÖZKAN E. M., ÖZKAN A.
Yıldız Teknik Üniversitesi Dergisi, cilt.3, ss.57-66, 2002 (Hakemli Dergi)
- XVII. **A Different Approach to Coding Theory**
ÖZKAN A., ÖZKAN E. M.
Pakistan Journal of Applied Sciences, cilt.2, sa.11, ss.1032-1033, 2002 (Hakemli Dergi)

Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

- I. **On Optical Solutions of the Time Fractional Perturbed Gerdjikov-Ivanov Equation**
Özkan A., Demirkaya S.
V International Conference on Mathematics and its Applications in Science and Engineering (ICMASE 2024),
Coimbra, Portekiz, 16 - 18 Eylül 2024, ss.1

- II. **2-absorbing Ideals of Commutative Semirings with Bipolar Fuzzy Logic**
Onar S., Özkan E. M., Özkan A.
V International Conference on Mathematics and its Applications in Science and Engineering (ICMASE 2024),
Coimbra, Portekiz, 16 - 18 Eylül 2024, ss.10-11
- III. **Bipolar Fuzzy Soft Hyperlattices**
Yeşilmen G., Özkan E. M., Onar S., Özkan A.
15th Algebraic Hyperstructures and its Applications Conference (AHA2023), İstanbul, Türkiye, 28 - 30 Temmuz
2023, ss.27
- IV. **On Analytical Solutions Of Space-Time Fractional Variant Boussinesq Equation With Beta Derivative**
Özdemir N., Özkan A.
9th International IFS and Contemporary Mathematics and Engineering Conference, Mersin, Türkiye, 8 - 11 Temmuz
2023, ss.163-164
- V. **On 1-Absorbing Bipolar Fuzzy Primary Ideals of Commutative Semirings**
Kaplan İ., Özkan E. M., Onar S., Özkan A.
4th International Eurasian Conference on Science, Engineering and Technology, Ankara, Türkiye, 14 - 16 Aralık
2022, ss.61
- VI. **On 2-Absorbing Neutrosophic Primary Ideals of Commutative Semirings**
Ayan R., Özkan E. M., Onar S., Özkan A.
4th International Eurasian Conference on Science, Engineering and Technology, Ankara, Türkiye, 14 - 16 Aralık
2022, ss.66
- VII. **On 1-Absorbing Vague Ideals of Commutative Semirings**
Kaplan İ., Özkan E. M., Onar S., Özkan A.
4th International Congress on Applied Sciences, Engineering and Mathematics (ICASEM), Tekirdağ, Türkiye, 20 - 23
Ekim 2022, ss.14
- VIII. **On 2-Absorbing Bipolar Fuzzy Primary Ideals of Commutative Semirings**
Ayan R., Özkan E. M., Onar S., Özkan A.
4th International Congress on Applied Sciences, Engineering and Mathematics (ICASEM), Tekirdağ, Türkiye, 20 - 23
Ekim 2022, ss.15
- IX. **A Study On 1-Absorbing Intuitionistic Fuzzy Ideals of Commutative Semirings**
Özkan E. M., Onar S., Özkan A., Kaplan İ.
9th International Congress on Fundamental and Applied Sciences (ICFAS2022), İstanbul, Türkiye, 28 - 30 Haziran
2022, ss.174
- X. **A Note on 2-Absorbing Vague Ideals of Commutative Semirings**
Özkan E. M., Onar S., Özkan A., Ayan R.
9th International Congress on Fundamental and Applied Sciences (ICFAS2022), İstanbul, Türkiye, 28 - 30 Haziran
2022, ss.173
- XI. **Bright soliton solutions for time fractional Korteweg-de Vries equation**
Özkan E. M., Özkan A.
5th International Conference on Analysis and Applied Mathematics, ICAAM 2020, Mersin, Türkiye, 23 - 30 Eylül
2020, cilt.2325
- XII. **Misconceptions in Radical Numbers in Secondary School Mathematics**
Özkan A.
11th World Conference on Educational Sciences (WCES-2019), Milan, İtalya, 7 - 10 Şubat 2019, ss.205-212
- XIII. **Misconceptions And Error Analysis Of 10th Grade Students On Analytical Geometry**
ÖZKAN A., ÖZKAN E. M.
5th International Intuitionistic Fuzzy Sets and Contemporary Mathematics Conference, 5 - 09 Eylül 2018
- XIV. **Error analysis of Mathematics students on Group Theory**
ÖZKAN E. M., ÖZKAN A.
9th World Conference on Learning, Teaching and Educational Leadership, 26 - 28 Ekim 2018
- XV. **On The Misconceptions of 10th Grade Students about Analytical Geometry**
ÖZKAN A., ÖZKAN E. M.

International Conference on Mathematical Advances and Applications (ICOMAA2018), 11 - 13 Mayıs 2018

- XVI. **Misconceptions on Limit and Continuity**
ÖZKAN E. M., ÖZKAN A.
10th World Conference on Educational Sciences (WCES-2018), 1 - 03 Şubat 2018, ss.32
- XVII. **Misconceptions in Analytic Geometry: the Case of Tenth Grade Students**
ÖZKAN A., KARAPIÇAK S.
10th World Conference on Educational Sciences WCES 2018, 1 - 03 Şubat 2018, ss.28
- XVIII. **Mistakes and misconceptions regarding to natural numbers on secondary Mathematics Education**
ÖZKAN A., ÖZKAN E. M.
13th International Conference of Algebraic Hyperstructures and its Applications (AHA2017), Türkiye, 24 - 27 Temmuz 2017
- XIX. **Orta Öğretim 12 Sınıf Öğrencilerinin Modüler Aritmetik Konusundaki Kavram Yanılgıları ve Hata Analizi**
ÖZKAN A.
2. Kıbrıs Uluslararası Eğitim Araştırmaları Kongresi CICER15, Girne, Kıbrıs (Kktc), 3 - 06 Aralık 2015
- XX. **Misconceptions on the Summation Symbol Subject and Solution Proposals**
ÖZKAN A., ÖZKAN E. M.
5th World Conference on Learning, Teaching and Educational Leadership, WCLTA 2014, Prague, Çek Cumhuriyeti, 29 - 31 Ekim 2014, cilt.186, ss.670-673
- XXI. **The Use of Simple-Sample Explanations for Math Education**
TEPEDELDİREN Y. T., Ozkan A.
5th World Conference on Educational Sciences (WCES), Rome, İtalya, 5 - 08 Şubat 2013, cilt.116, ss.149-151
- XXII. **A survey on the factors being affected from spectators of basketball players in Turkey**
ÖZKAN E. M., ÖZKAN A.
WORLD CONFERENCE ON LEARNING, TEACHING AND EDUCATIONAL LEADERSHIP, Barcelona, İspanya, 27 Ekim - 29 Aralık 2013
- XXIII. **Misconception in exponential numbers in IST and IIND level primary school mathematics**
ÖZKAN E. M., ÖZKAN A.
4th World Conference on Educational Sciences (WCES), Barcelona, İspanya, 2 - 05 Şubat 2012, cilt.46, ss.65-69
- XXIV. **Misconceptions and learning difficulties in radical numbers**
ÖZKAN A., ÖZKAN E. M.
4th World Conference on Educational Sciences (WCES), Barcelona, İspanya, 2 - 05 Şubat 2012, cilt.46, ss.462-467
- XXV. **Discrete Fourier Transform Over Finite Fields And Its Applications On Algebraic Coding Theory**
International Conference on Applied Analysis and Algebra
ÖZKAN A., SELÇUK S.
International Conference on Applied Analysis and Algebra, İstanbul, Türkiye, 29 Haziran - 02 Temmuz 2011
- XXVI. **Mutlak Değer Konusunda Yapılan Kavram Yanılgıları**
ÖZKAN A., ÖZKAN E. M.
International Conference on New Horizons in Education INTE 2010, Magosa, Kıbrıs (Kktc), 23 - 25 Haziran 2010

Desteklenen Projeler

ÖZKAN A., Özdemir N., Yükseköğretim Kurumları Destekli Proje, LİNEER OLMAYAN KISMİ DİFERANSİYEL DENKLEMLERİN ANALİTİK ÇÖZÜMLERİ İÇİN YÖNTEMLERİN ARAŞTIRILMASI, 2023 - 2024

ÖZKAN A., Karapıçak S., Yükseköğretim Kurumları Destekli Proje, Matematik Eğitiminde Öğrenme zorlukları Kavram Yanılgıları ve Uygulaması, 2017 - 2018

Metrikler

Yayın: 55

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Atıf (Scopus): 66

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H-İndeks (Scopus): 5