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Publons / Web Of Science ResearcherID: GZN-2279-2022

ScopusID: 57205299953

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Eğitim Bilgileri

Doktora, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye 2013 - 2019

Yüksek Lisans, Balıkesir Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye 2011 - 2013

Lisans, Afyon Kocatepe Üniversitesi, Fen Edebiyat Fakültesi, Türkiye 2007 - 2011

Araştırma Alanları

Matematik, Temel Bilimler

Akademik Unvanlar / Görevler

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

Dr. Öğr. Üyesi, İstanbul Gelişim Üniversitesi, Mühendislik Ve Mimarlık Fakültesi, Yazılım Mühendisliği, 2021 - 2024

Araştırma Görevlisi, Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Matematik Müh.Bölümü, 2013 - 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- Bright soliton of the third-order nonlinear Schrödinger equation with power law of self-phase modulation in the absence of chromatic dispersion**
Durmus S. A., ÖZDEMİR N., SEÇER A., ÖZİŞİK M., BAYRAM M.
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- Investigation of soliton solutions to the Peyrard-Bishop-Deoxyribo-Nucleic-Acid dynamic model with beta-derivative**
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- Bright soliton of Stochastic perturbed Biswas-Milovic equation with cubic-quintic-septic law having**

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- V. **Revealing optical soliton solutions of Schrödinger equation having parabolic law and anti-cubic law with weakly nonlocal nonlinearity**
Ozdemir N., Altun S., Secer A., Özışık M., Bayram M.
Journal of Taibah University for Science, cilt.18, sa.1, 2024 (SCI-Expanded)
- VI. **Bright soliton of the perturbed Schrödinger–Hirota equation with cubic–quintic–septic law of self-phase modulation in the presence of spatiotemporal dispersion**
ÖZDEMİR N., Altun S., SEÇER A., ÖZİŞİK M., BAYRAM M.
European Physical Journal Plus, cilt.139, sa.1, 2024 (SCI-Expanded)
- VII. **Optical soliton solutions of the nonlinear Schrödinger equation in the presence of chromatic dispersion with cubic–quintic–septic–nonlinearities**
Ozdemir N., Secer A., Özışık M., Bayram M.
Physica Scripta, cilt.98, sa.11, 2023 (SCI-Expanded)
- VIII. **On the soliton solutions to the density-dependent space time fractional reaction–diffusion equation with conformable and M-truncated derivatives**
ESEN H., ÖZDEMİR N., SEÇER A., BAYRAM M., Sulaiman T. A., Ahmad H., Yusuf A., Albalwi M. D.
Optical and Quantum Electronics, cilt.55, sa.10, 2023 (SCI-Expanded)
- IX. **Optical solitons for the Biswas–Milovic equation with anti-cubic law nonlinearity in the presence of spatio-temporal dispersion**
ÖZDEMİR N.
Physica Scripta, cilt.98, sa.8, 2023 (SCI-Expanded)
- X. **Soliton solutions of Heisenberg spin chain equation with parabolic law nonlinearity**
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- XI. **Optical solitons for the dispersive Schrödinger–Hirota equation in the presence of spatio-temporal dispersion with parabolic law**
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- XII. **Extraction of soliton waves from the longitudinal wave equation with local M-truncated derivatives**
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- XIII. **Investigation of optical soliton solutions of higher-order nonlinear Schrödinger equation having Kudryashov nonlinear refractive index**
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- XIV. **Traveling wave structures of some fourth-order nonlinear partial differential equations**
ESEN H., Ozdemir N., SEÇER A., Bayram M.
Journal of Ocean Engineering and Science, cilt.8, sa.2, ss.124-132, 2023 (SCI-Expanded)
- XV. **On the investigation of optical soliton solutions of cubic–quartic Fokas–Lenells and Schrödinger–Hirota equations**
ÖZİŞİK M., ÖNDER İ., ESEN H., ÇINAR M., Ozdemir N., SEÇER A., Bayram M.
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- XVI. **Soliton and other solutions of the (2+1)-dimensional Date–Jimbo–Kashiwara–Miwa equation with conformable derivative**
Ozdemir N., SEÇER A., ÖZİŞİK M., Bayram M.
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- XVII. **Obtaining the soliton solutions of local M-fractional magneto-electro-elastic media**
Ozdemir N., SEÇER A., ÖZİŞİK M., Bayram M.
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- XVIII. **Optical solitons for Radhakrishnan–Kundu–Lakshmanan equation in the presence of perturbation term and having Kerr law**
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- XIX. **Two Analytical Schemes for the Optical Soliton Solution of the (2**
Ozdemir N., SEÇER A., ÖZİŞİK M., BAYRAM M.
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- XX. **Original Perturbation of dispersive optical solitons with Schrodinger-Hirota equation with Kerr law and spatio-temporal dispersion**
Ozdemir N., SEÇER A., ÖZİŞİK M., Bayram M.
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- XXI. **Novel soliton solutions of Sasa-Satsuma model with local derivative via an analytical technique**
Ozdemir N., ESEN H., SEÇER A., BAYRAM M.
JOURNAL OF LASER APPLICATIONS, cilt.34, sa.2, 2022 (SCI-Expanded)
- XXII. **Optical solitons and other solutions to the Hirota-Maccari system with conformable, M-truncated and beta derivatives**
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- XXIII. **On solitary wave solutions for the perturbed Chen-Lee-Liu equation via an analytical approach**
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- XXIV. **An algorithm for numerical solution of some nonlinear multi-dimensional parabolic partial differential equations**
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- XXV. **Optical Soliton Solutions to Chen Lee Liu model by the modified extended tanh expansion scheme**
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- XXVI. **Solitary wave solutions of chiral nonlinear Schrödinger equations**
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- XXVII. **Optical solitons and other solutions to the Radhakrishnan-Kundu-Lakshmanan equation**
ÖZDEMİR N., ESEN H., SEÇER A., Bayram M., Sulaiman T. A., Yusuf A., AYDIN H.
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- XXVIII. **An effective computational approach based on Gegenbauer wavelets for solving the time-fractional Kdv-Burgers-Kuramoto equation**
Seçer A., Özdemir N.
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- XXIX. **The Gegenbauer wavelets-based computational methods for the coupled system of Burgers' equations with time-fractional derivative**
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- XXX. **MODIFIED LAGUERRE WAVELET BASED GALERKIN METHOD FOR FRACTIONAL AND FRACTIONAL-ORDER DELAY DIFFERENTIAL EQUATIONS**
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- XXXI. **A Hermite Polynomial Approach for Solving the SIR Model of Epidemics**
Seçer A., Özdemir N., Bayram A. M.
MATHEMATICS, cilt.6, 2018 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **M-truncated soliton solutions of the fractional (4+1)-dimensional Fokas equation**
ÖZDEMİR N.
International Journal of Optimization and Control: Theories and Applications, cilt.13, sa.1, ss.123-129, 2023 (ESCI)
- II. **Wavelet-based Numerical Approaches for Solving the Korteweg-de Vries (KdV) Equation**
ÖZDEMİR N., SEÇER A.
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- III. **A NUMERICAL ALGORITHM BASED ON ULTRASPHERICAL WAVELETS FOR SOLUTION OF LINEAR AND NONLINEAR KLEIN-GORDON EQUATIONS**
ÖZDEMİR N., SEÇER A.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, cilt.38, sa.3, ss.1307-1319, 2020 (ESCI)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Reveal of optical pulse envelop of the perturbed Schrödinger-Hirota equation with anti-cubic law nonlinearity**
Altun S., Özdemir N., Seçer A., Özışık M., Bayram M.
(hybrid) International Conference on Nonlinear Science and Complexity (ICNSC23,) July 10-15, 2023, Istanbul-Turkey, İstanbul, Türkiye, 10 - 15 Temmuz 2023, ss.98
- II. **Bright soliton structure of Perturbed Schrödinger-Hirota equation with cubic-quintic-septic law of self-phase modulation**
Özdemir N., Seçer A., Özışık M., Bayram M.
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- III. **Soliton Solutions of the Boiti-Leon-Manna-Pempinelli Equation**
ÖZDEMİR N.
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- IV. **An investigation on nonlinear higher order Schrödinger equation having refractive indices and chromatic dispersion**
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10th (Online) International Conference on Applied Analysis and Mathematical Modeling (ICAAMM22), İstanbul, Türkiye, 1 - 03 Temmuz 2022, ss.60
- V. **An investigation of the DNA Peyrard-Bishop equation with beta-derivative**
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10th (Online) International Conference on Applied Analysis and Mathematical Modeling (ICAAMM22), İstanbul, Türkiye, 1 - 03 Temmuz 2022, ss.48
- VI. **Optical soliton solutions of nonlinear Schrödinger-Hirota model involving nonlinear chromatic dispersion**
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- VII. **Study on the Mikhailov-Novikov-Wang equation to Find the Exact Soliton Solutions**
ÖZDEMİR N., SEÇER A.
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- VIII. **Numerical schemes based on Legendre wavelets for Solving Nonlinear Partial Differential Equations**
ÖZDEMİR N., SEÇER A.

9th (Online) International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Türkiye, 11 - 13 Haziran 2021, ss.38

- IX. On the Approximation of Partial Differential Equations using the Three-Step Wavelet Galerkin Method**
ÖZDEMİR N., SEÇER A.
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- X. Numerical Approaches for solving the Coupled System of Burgers' Equations with Time-Fractional Derivative using Gegenbauer wavelet**
ÖZDEMİR N., SEÇER A., BAYRAM M.
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- XI. Approximate Solutions of Linear and Nonlinear Klein-Gordon Equations**
Özdemir N., Seçer A.
International Conference on Computational Methods in Applied Sciences, İstanbul, Türkiye, 12 - 16 Temmuz 2019, ss.201
- XII. An Efficient Legendre Wavelet-Galerkin Based Approximation for the One-Dimensional Heat Equation**
Özdemir N., Seçer A., Bayram M.
International Conference on Computational Methods in Applied Sciences, İstanbul, Türkiye, 12 - 16 Temmuz 2019, ss.205-211
- XIII. Numerical Approaches for solving the Coupled System of Burgers' Equations with Time-Fractional Derivative using Gegenbauer wavelets**
Özdemir N., Seçer A., Bayram M.
International Conference on Computational Methods in Applied Sciences, İstanbul, Türkiye, 12 - 16 Temmuz 2019, ss.202-203
- XIV. Wavelets Galerkin Method for the Kdv- Burgers- Kuramoto Equation**
Özdemir N., Seçer A.
International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Türkiye, 10 Mart 2019, ss.163
- XV. Solution of the Epidemic Model by Hermite Collocation Method**
Seçer A., Özdemir N.
7th International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Türkiye, 20 Haziran 2018, ss.315
- XVI. Galerkin analysis for Fractional Delay Differential Equations by Modified Laguerre wavelets**
ÖZDEMİR N., SEÇER A.
7th International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Türkiye, 20 - 24 Haziran 2018, ss.167
- XVII. Three-Step Wavelet Galerkin Method for Numerical solutions of PDEs Using Daubechies Wavelets**
ÖZDEMİR N., SEÇER A.
3rd International Conference in Pure and Applied Sciences, Dubai, Birleşik Arap Emirlikleri, 2 - 06 Şubat 2017, ss.20
- XVIII. A Numerical Study for Fisher's equation by three step wavelet Galerkin method**
ÖZDEMİR N., SEÇER A., BAYRAM M.
2nd International Conference on Pure & Applied Science, İstanbul, Türkiye, 1 - 05 Haziran 2016
- XIX. Generalized polynomial chaos approaches for stochastic system of equations**
ÖZDEMİR N., AKINLAR M. A.
International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Türkiye, 08 Haziran 2015, ss.241
- XX. Analysis of chaotic behaviors of random dynamical systems,**
Bayram M., Akinlar M. A., Özdemir N.
4th International Conference on Mathematics & Information Science, Cairo, Mısır, 5 - 07 Şubat 2015, ss.51

Metrikler

Yayın: 54

Atıf (WoS): 99

Atıf (Scopus): 386

H-İndeks (WoS): 7

H-İndeks (Scopus): 12