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Kişisel Bilgiler

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Biyografi

He completed his undergraduate education in 2001, his master's degree in 2004 and his doctorate in 2009. He was appointed as Assistant Professor in 2012, Associate Professor in 2014 and full Professor in 2020. He supervised 3 Master's theses and 3 Doctoral Thesis. He is currently continuing his 2 master's and 1 doctorate thesis advisory. His field of work is Analysis of Differential Equations by Lie Symmetry Analysis, Conservation Laws, Integrable Systems and Numerical Analysis of Differential Equations.

Eğitim Bilgileri

Doktora, Bursa Uludağ Üniversitesi, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik (Dr), Türkiye 2005 - 2009

Yüksek Lisans, Bursa Uludağ Üniversitesi, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik (YI) (Tezli), Türkiye 2001 - 2004

Lisans, Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, Matematik Bölümü, Türkiye 1997 - 2001

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Oluşum türü denklemlerin yerel ve yerel olmayan yeni korunum kanunları, 2009

Yüksek Lisans, Genelleştirilmiş Beltrami denklemleri için sınır-değer problemleri, 2004

Araştırma Alanları

Diferansiyel denklemler

Akademik Unvanlar / Görevler

Prof. Dr., Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2020 - Devam Ediyor
Doç. Dr., Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2014 - Devam Ediyor
Yrd. Doç. Dr., Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2011 - Devam Ediyor

Akademik İdari Deneyim

Bölüm Başkan Yardımcısı, Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2019 - Devam Ediyor
Anabilim/Bilim Dalı Başkanı, Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2019 - Devam Ediyor
Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, Matematik Bölümü, 2012 - 2015

Verdiği Dersler

Uygulamalı Matematiğin Metotları II, Lisans, 2021 - 2022, 2019 - 2020
Olasılık ve İstatistik, Lisans, 2021 - 2022, 2020 - 2021, 2019 - 2020
Mühendislik Matematiği, Lisans, 2020 - 2021
Diferensiyel Denklemler, Lisans, 2021 - 2022, 2020 - 2021, 2019 - 2020
Uygulamalı Matematiğin Metotları I, Lisans, 2020 - 2021, 2019 - 2020
İleri Kısmi Diferensiyel Denklemler, Doktora, 2020 - 2021
Kısmi Diferensiyel Denklemlerde Seçme Konular, Doktora, 2020 - 2021

Yönetilen Tezler

Yaşar E., Oluşum tipi denklemlerin hirota bilineer formları ve etkileşim çözümleri, Yüksek Lisans, M.ZEYNEL(Öğrenci), 2023
Yaşar E., Oluşum tipi kısmi diferansiyel denklemlerin yaklaşık çözümlerinin yüksek başarılı hesaplama açısından incelenmesi, Yüksek Lisans, N.GÜNHAN(Öğrenci), 2021
Yaşar E., Lineer olmayan kısmi diferensiyel denklemler ve tam çözümleri, Yüksek Lisans, P.DOĞAN(Öğrenci), 2020
Yaşar E., Oluşum tipi lineer olmayan parça türevli diferensiyel denklemlerin tam çözümleri, Doktora, Y.YILDIRIM(Öğrenci), 2019
YAŞAR E., Oluşum türü denklemlerin simetri indirmeleri, korunum kanunları ve tam çözümleri, Doktora, İ.Burak(Öğrenci), 2017
YAŞAR E., Oluşum türü diferensiyel denklemlerin simetri indirmeleri, korunum kanunları ve tam çözümleri, Doktora, İ.BURAK(Öğrenci), 2017
YAŞAR E., İlkinci mertebeden adi diferensiyel denklemlerin ilk integralleri, Yüksek Lisans, Y.YILDIRIM(Öğrenci), 2015
YAŞAR E., Kısımlı diferensiyel denklemlerin korunum kanunları ve indirmeleri, Doktora, S.SAN(Öğrenci), 2014
YAŞAR E., İlkinci mertebeden lineer olmayan adi diferensiyel denklemlerin simetri indirmeleri, Yüksek Lisans, İ.BURAK(Öğrenci), 2013

Jüri Üyelikleri

Akademik Kadroya Atama-Profesörlük, Akademik Kadroya Atama-Profesörlük, Bursa Uludağ Üniversitesi, Şubat, 2024
Akademik Kadroya Atama-Doçentlik, Akademik Kadroya Atama-Doçentlik, Bursa Uludağ Üniversitesi, Ocak, 2024
Doçentlik Sınavı, Doçentlik Sınavı, Bursa Uludağ Üniversitesi, Mayıs, 2022

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. Exploration of interactional phenomena and multi-wave solutions of the fractional-order dual-mode

- nonlinear Schrödinger equation**
Yaşar E., Kopçasız B.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.47, sa.4, ss.2516-2534, 2024 (SCI-Expanded)
- II. Dual-mode nonlinear Schrödinger equation (DMNLSE): Lie group analysis, group invariant solutions, and conservation laws**
Yaşar E., Koçasız B.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, cilt.2024, ss.1-26, 2024 (SCI-Expanded)
- III. THREE EFFICIENT SCHEMES AND HIGHLY DISPERSIVE OPTICAL SOLITONS OF PERTURBED FOKAS-LENELLS EQUATION IN STOCHASTIC FORM**
SAĞLAM ÖZKAN Y., YAŞAR E.
UKRAINIAN JOURNAL OF PHYSICAL OPTICS, sa.5, 2024 (SCI-Expanded)
- IV. Multi-wave, breather and interaction solutions to (3+1) dimensional sine-Gordon equation arising in nonlinear physical sciences**
SAĞLAM ÖZKAN Y., YAŞAR E., Masood Khalique C.
Journal of Computational Science, cilt.73, 2023 (SCI-Expanded)
- V. The residual symmetry, Bäcklund transformations, CRE integrability and interaction solutions: (2+1)-dimensional Chaffee-Infante equation**
Günhan Ay N., Yaşar E.
COMMUNICATIONS IN THEORETICAL PHYSICS, cilt.75, sa.11, ss.1-8, 2023 (SCI-Expanded)
- VI. Adaptation of Caputo residual power series scheme in solving nonlinear time fractional Schrödinger equations**
Kopçasız B., YAŞAR E.
Optik, cilt.289, 2023 (SCI-Expanded)
- VII. Novel dispersive soliton solutions to a fractional nonlinear Schrödinger equation related with ultrashort pulses**
Günhan Ay N., YAŞAR E.
Pramana - Journal of Physics, cilt.97, sa.3, 2023 (SCI-Expanded)
- VIII. Analytical soliton solutions of the fractional order dual-mode nonlinear Schrödinger equation with time-space conformable sense by some procedures**
Yaşar E., Kopçasız B.
OPTICAL AND QUANTUM ELECTRONICS, cilt.55, ss.1-30, 2023 (SCI-Expanded)
- IX. Propagation of dark-bright soliton and kink wave solutions of fluidized granular matter model arising in industrial applications**
Sağlam Özkan Y., Yaşar E.
INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, cilt.24, sa.2, ss.617-632, 2023 (SCI-Expanded)
- X. Multi wave, kink, breather, interaction solutions and modulation instability to a conformable third order nonlinear Schrödinger equation**
Günhan Ay N., YAŞAR E.
Optical and Quantum Electronics, cilt.55, sa.4, 2023 (SCI-Expanded)
- XI. On the Lie symmetry analysis, analytic series solutions, and conservation laws of the time fractional Belousov-Zhabotinskii system**
SAN S., YAŞAR E.
NONLINEAR DYNAMICS, cilt.109, sa.4, ss.2997-3008, 2022 (SCI-Expanded)
- XII. Optical soliton solution analysis for the (2+1) dimensional Kundu-Mukherjee-Naskar model with local fractional derivatives**
San S., Seadawy A. R., Yaşar E.
OPTICAL AND QUANTUM ELECTRONICS, cilt.54, sa.1, ss.442-463, 2022 (SCI-Expanded)
- XIII. Highly dispersive optical soliton molecules to dual-mode nonlinear Schrodinger wave equation in cubic law media**
Kopcasiz B., Seadawy A. R., YAŞAR E.

- OPTICAL AND QUANTUM ELECTRONICS, cilt.54, sa.3, 2022 (SCI-Expanded)
- XIV. **Novel multiple soliton and front wave solutions for the 3D-Vakhnenko-Parkes equation**
 Sağlam Özkan Y., Yaşar E., Osman M. S.
 MODERN PHYSICS LETTERS B, cilt.36, sa.09, 2022 (SCI-Expanded)
- XV. **A new (3+1) dimensional Hirota bilinear equation: Painlave integrability, Lie symmetry analysis, and conservation laws**
 Gunhan Ay N., YAŞAR E.
 JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, cilt.16, sa.1, ss.1287-1297, 2022 (SCI-Expanded)
- XVI. **A model of solitary waves in a nonlinear elastic circular rod: Abundant different type exact solutions and conservation laws**
 Çelik N., Seadawy A. R., Sağlam Özkan Y., Yaşar E.
 Chaos, Solitons and Fractals, cilt.143, 2021 (SCI-Expanded)
- XVII. **Breather-type and multi-wave solutions for (2+1)-dimensional nonlocal Gardner equation**
 Sağlam Özkan Y., Yaşar E.
 APPLIED MATHEMATICS AND COMPUTATION, cilt.390, 2021 (SCI-Expanded)
- XVIII. **On the optical solitons and local conservation laws of Chen-Lee-Liu dynamical wave equation**
 SAĞLAM ÖZKAN Y., Seadawy A. R., YAŞAR E.
 Optik, cilt.227, 2021 (SCI-Expanded)
- XIX. **Multi-wave, breather and interaction solutions to (3+1) dimensional Vakhnenko-Parkes equation arising at propagation of high-frequency waves in a relaxing medium**
 Ozkan Y., Seadawy A. R., YAŞAR E.
 JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, cilt.15, sa.1, ss.666-678, 2021 (SCI-Expanded)
- XX. **Multiwave and interaction solutions and Lie symmetry analysis to a new (2 + 1)-dimensional Sakovich equation**
 SAĞLAM ÖZKAN Y., YAŞAR E.
 Alexandria Engineering Journal, cilt.59, ss.5285-5293, 2020 (SCI-Expanded)
- XXI. **On the multi-waves, interaction and Peregrine-like rational solutions of perturbed Radhakrishnan-Kundu-Lakshmanan equation**
 SAĞLAM ÖZKAN Y., YAŞAR E., Seadawy A. R.
 PHYSICA SCRIPTA, cilt.95, sa.8, 2020 (SCI-Expanded)
- XXII. **A third-order nonlinear Schrodinger equation: the exact solutions, group-invariant solutions and conservation laws**
 SAĞLAM ÖZKAN Y., YAŞAR E., Seadawy A. R.
 JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, cilt.14, sa.1, ss.585-597, 2020 (SCI-Expanded)
- XXIII. **On the exact solutions of nonlinear evolution equations by the improved tan(phi/2)-expansion method**
 SAĞLAM ÖZKAN Y., YAŞAR E.
 PRAMANA-JOURNAL OF PHYSICS, cilt.94, sa.1, 2020 (SCI-Expanded)
- XXIV. **The Logarithmic (1+1)-Dimensional KdV-Like and (2+1)-Dimensional KP-Like Equations: Lie Group Analysis, Conservation Laws and Double Reductions**
 Giresunlu I. B., YAŞAR E., Adem A. R.
 INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, cilt.20, ss.747-755, 2019 (SCI-Expanded)
- XXV. **Extended Transformed Rational Function Method to Nonlinear Evolution Equations**
 YAŞAR E., Yıldırım Y., Adem A. R.
 INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, cilt.20, sa.6, ss.691-701, 2019 (SCI-Expanded)
- XXVI. **Optical soliton perturbation in parabolic law medium having weak non-local nonlinearity by a couple of strategic integration architectures**
 Biswas A., Yıldırım Y., YAŞAR E., Zhou Q., Alshomrani A. S., Belic M.
 RESULTS IN PHYSICS, cilt.13, 2019 (SCI-Expanded)

- XXVII. **Resonant optical soliton perturbation with full nonlinearity and time-dependent coefficients by trial equation method**
 Biswas A., Yildirim Y., YAŞAR E., Zhou Q., Moraru L., Alshomrani A. S., Belic M. R.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, cilt.21, ss.213-221, 2019 (SCI-Expanded)
- XXVIII. **Complexiton solutions and soliton solutions: -dimensional Date-Jimbo-Kashiwara-Miwa equation**
 Adem A. R., Yildirim Y., YAŞAR E.
PRAMANA-JOURNAL OF PHYSICS, cilt.92, sa.3, 2019 (SCI-Expanded)
- XXIX. **Soliton solutions to the non-local Boussinesq equation by multiple exp-function scheme and extended Kudryashov's approach**
 Adem A. R., Yildirim Y., YAŞAR E.
PRAMANA-JOURNAL OF PHYSICS, cilt.92, sa.2, 2019 (SCI-Expanded)
- XXX. **Optical soliton molecules in birefringent fibers having weak non-local nonlinearity and four-wave mixing with a couple of strategic integration architectures**
 Biswas A., Yildirim Y., YAŞAR E., Zhou Q., Khan S., Adesanya S., Moshokoa S. P., Belic M.
OPTIK, cilt.179, ss.927-940, 2019 (SCI-Expanded)
- XXXI. **Optical solitons in birefringent fibers with weak non-local nonlinearity using two forms of integration architecture**
 Biswas A., Yildirim Y., YAŞAR E., Zhou Q., Moshokoa S. P., Alfiras M., Belic M.
OPTIK, cilt.178, ss.669-680, 2019 (SCI-Expanded)
- XXXII. **Optical soliton perturbation with quadratic-cubic nonlinearity using a couple of strategic algorithms**
 Biswas A., Yildirim Y., YAŞAR E., Zhou Q., Moshokoa S. P., Belic M.
CHINESE JOURNAL OF PHYSICS, cilt.56, sa.5, ss.1990-1998, 2018 (SCI-Expanded)
- XXXIII. **Optical soliton perturbation with full nonlinearity in polarization preserving fibers using trial equation method**
 Biswas A., Yildirim Y., YAŞAR E., Triki H., Zhou Q., Moshokoa S. P., Ullah M. Z., Belic M.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, cilt.20, ss.385-402, 2018 (SCI-Expanded)
- XXXIV. **New optical solitons of space-time conformable fractional perturbed Gerdjikov-Ivanov equation by sine-Gordon equation method**
 YAŞAR E., Yildirim Y., YAŞAR E.
RESULTS IN PHYSICS, cilt.9, ss.1666-1672, 2018 (SCI-Expanded)
- XXXV. **Solitons for perturbed Gerdjikov-Ivanov equation in optical fibers and PCF by extended Kudryashov's method**
 Biswas A., Yildirim Y., YAŞAR E., Zhou Q., Alshomrani A. S., Moshokoa S. P., Belic M.
OPTICAL AND QUANTUM ELECTRONICS, cilt.50, sa.3, 2018 (SCI-Expanded)
- XXXVI. **Conservation laws for perturbed solitons in optical metamaterials**
 Biswas A., YAŞAR E., Yildirim Y., Triki H., Zhou Q., Moshokoa S. P., Belic M.
RESULTS IN PHYSICS, cilt.8, ss.898-902, 2018 (SCI-Expanded)
- XXXVII. **A (2+1)-dimensional breaking soliton equation: Solutions and conservation laws**
 Yildirim Y., YAŞAR E.
CHAOS SOLITONS & FRACTALS, cilt.107, ss.146-155, 2018 (SCI-Expanded)
- XXXVIII. **Optical solitons for Lakshmanan-Porsezian-Daniel model by modified simple equation method**
 Biswas A., Yildirim Y., YAŞAR E., Zhou Q., Moshokoa S. P., Belic M.
OPTIK, cilt.160, ss.24-32, 2018 (SCI-Expanded)
- XXXIX. **Sub pico-second pulses in mono-mode optical fibers with Kaup-Newell equation by a couple of integration schemes**
 Biswas A., Yildirim Y., YAŞAR E., Zhou Q., Moshokoa S. P., Belic M.
OPTIK, cilt.167, ss.121-128, 2018 (SCI-Expanded)
- XL. **Optical soliton solutions to Fokas-lenells equation using some different methods**
 Biswas A., Yildirim Y., YAŞAR E., Zhou Q., Moshokoa S. P., Belic M.
OPTIK, cilt.173, ss.21-31, 2018 (SCI-Expanded)
- XLI. **Optical solitons for Lakshmanan-Porsezian-Daniel model with dual-dispersion by trial equation**

method

Biswas A., Yildirim Y., YAŞAR E., Alqahtani R. T.

OPTIK, cilt.168, ss.432-439, 2018 (SCI-Expanded)

- XLII. Optical soliton perturbation with resonant nonlinear Schrodinger's equation having full nonlinearity by modified simple equation method**

Biswas A., Yildirim Y., YAŞAR E., Zhou Q., Moshokoa S. P., Belic M.

OPTIK, cilt.160, ss.33-43, 2018 (SCI-Expanded)

- XLIII. Optical solitons with differential group delay for coupled Fokas-Lenells equation using two integration schemes**

Biswas A., Yildirim Y., YAŞAR E., Zhou Q., Mahmood M. F., Moshokoa S. P., Belic M.

OPTIK, cilt.165, ss.74-86, 2018 (SCI-Expanded)

- XLIV. Optical soliton perturbation with full nonlinearity for Kundu-Eckhaus equation by modified simple equation method**

Biswas A., Yildirim Y., YAŞAR E., Triki H., Alshomrani A. S., Ullah M. Z., Zhou Q., Moshokoa S. P., Belic M.

OPTIK, cilt.157, ss.1376-1380, 2018 (SCI-Expanded)

- XLV. Optical soliton perturbation with Gerdjikov-Ivanov equation by modified simple equation method**

Biswas A., Yildirim Y., YAŞAR E., Triki H., Alshomrani A. S., Ullah M. Z., Zhou Q., Moshokoa S. P., Belic M.

OPTIK, cilt.157, ss.1235-1240, 2018 (SCI-Expanded)

- XLVI. Perturbed optical solitons with spatio-temporal dispersion in (2+1) -dimensions by extended Kudryashov method**

YAŞAR E., Yildirim Y., Adem A. R.

OPTIK, cilt.158, ss.1-14, 2018 (SCI-Expanded)

- XLVII. Optical soliton perturbation with complex Ginzburg-Landau equation using trial solution approach**

Biswas A., Yildirim Y., YAŞAR E., Triki H., Alshomrani A. S., Ullah M. Z., Zhou Q., Moshokoa S. P., Belic M.

OPTIK, cilt.160, ss.44-60, 2018 (SCI-Expanded)

- XLVIII. Optical solitons with differential group delay and four-wave mixing using two integration procedures**

Biswas A., Yildirim Y., YAŞAR E., Zhou Q., Moshokoa S. P., Belic M.

OPTIK, cilt.167, ss.170-188, 2018 (SCI-Expanded)

- XLIX. Optical soliton perturbation for Radhakrishnan-Kundu-Lakshmanan equation with a couple of integration schemes**

Biswas A., Yildirim Y., YAŞAR E., Mahmood M. F., Alshomrani A. S., Zhou Q., Moshokoa S. P., Belic M.

OPTIK, cilt.163, ss.126-136, 2018 (SCI-Expanded)

- L. Optical solitons and conservation law of Kundu-Eckhaus equation**

Mirzazadeh M., Yildirim Y., YAŞAR E., Triki H., Zhou Q., Moshokoa S. P., Ullah M. Z., Seadawy A. R., Biswas A., Belic M.

OPTIK, cilt.154, ss.551-557, 2018 (SCI-Expanded)

- LI. Optical solitons with differential group delay by trial equation method**

Biswas A., Yildirim Y., YAŞAR E., Zhou Q., Moshokoa S. P., Belic M.

OPTIK, cilt.160, ss.116-123, 2018 (SCI-Expanded)

- LII. LIE SYMMETRY ANALYSIS AND EXACT SOLUTIONS TO N-COUPLED NONLINEAR SCHRODINGER'S EQUATIONS WITH KERR AND PARABOLIC LAW NONLINEARITIES**

Yildirim Y., YAŞAR E., Triki H., Zhou Q., Moshokoa S. P., Ullah M. Z., Biswas A., Belic M.

ROMANIAN JOURNAL OF PHYSICS, cilt.63, 2018 (SCI-Expanded)

- LIII. Dispersive optical solitons with differential group delay by a couple of integration schemes**

Biswas A., Yildirim Y., YAŞAR E., Zhou Q., Alshomrani A. S., Moshokoa S. P., Belic M.

OPTIK, cilt.162, ss.108-120, 2018 (SCI-Expanded)

- LIV. Optical soliton perturbation for complex Ginzburg-Landau equation with modified simple equation method**

Biswas A., Yildirim Y., YAŞAR E., Triki H., Alshomrani A. S., Ullah M. Z., Zhou Q., Moshokoa S. P., Belic M.

OPTIK, cilt.158, ss.399-415, 2018 (SCI-Expanded)

- LV. Optical soliton perturbation with full nonlinearity for Gerdjikov-Ivanov equation by trial equation**

method

Biswas A., Yildirim Y., YAŞAR E., Triki H., Alshomrani A. S., Ullah M. Z., Zhou Q., Moshokoa S. P., Belic M. OPTIK, cilt.157, ss.1214-1218, 2018 (SCI-Expanded)

LVI. Dispersive optical solitons with Schrodinger-Hirota model by trial equation method

Biswas A., Yildirim Y., YAŞAR E., Zhou Q., Alshomrani A. S., Moshokoa S. P., Belic M. OPTIK, cilt.162, ss.35-41, 2018 (SCI-Expanded)

LVII. Optical soliton perturbation with full nonlinearity by trial equation method

Biswas A., Yildirim Y., YAŞAR E., Triki H., Alshomrani A. S., Ullah M. Z., Zhou Q., Moshokoa S. P., Belic M. OPTIK, cilt.157, ss.1366-1375, 2018 (SCI-Expanded)

LVIII. Perturbed dark and singular optical solitons in polarization preserving fibers by modified simple equation method

YAŞAR E., Yildirim Y., Zhou Q., Moshokoa S. P., Ullah M. Z., Triki H., Biswas A., Belic M. SUPERLATTICES AND MICROSTRUCTURES, cilt.111, ss.487-498, 2017 (SCI-Expanded)

LIX. An extended Korteweg-de Vries equation: multi-soliton solutions and conservation laws

Yildirim Y., YAŞAR E. NONLINEAR DYNAMICS, cilt.90, sa.3, ss.1571-1579, 2017 (SCI-Expanded)

LX. A multiple exp-function method for the three model equations of shallow water waves

Yildirim Y., YAŞAR E., Adem A. R. NONLINEAR DYNAMICS, cilt.89, sa.3, ss.2291-2297, 2017 (SCI-Expanded)

LXI. Multiple exp-function method for soliton solutions of nonlinear evolution equations

Yildirim Y., YAŞAR E. CHINESE PHYSICS B, cilt.26, sa.7, 2017 (SCI-Expanded)

LXII. Conservation laws for Gerdjikov-Ivanov equation in nonlinear fiber optics and PCF

Biswas A., Yildirim Y., YAŞAR E., Babatin M. M. OPTIK, cilt.148, ss.209-214, 2017 (SCI-Expanded)

LXIII. On the Conservation Laws of Modified KdV-KP Equation

YAŞAR E., SAN S. FILOMAT, cilt.31, sa.6, ss.1483-1490, 2017 (SCI-Expanded)

LXIV. Nonlinear Schrodinger equations with spatio-temporal dispersion in Kerr, parabolic, power and dual power law media: A novel extended Kudryashov's algorithm and soliton solutions

Yildirim Y., ÇELİK N., YAŞAR E. RESULTS IN PHYSICS, cilt.7, ss.3116-3123, 2017 (SCI-Expanded)

LXV. The (G'/G,1/G)-expansion method for solving nonlinear space-time fractional differential equations

YAŞAR E., Giresunlu I. B. PRAMANA-JOURNAL OF PHYSICS, cilt.87, sa.2, 2016 (SCI-Expanded)

LXVI. First integrals and analytical solutions of the nonlinear fin problem with temperature-dependent thermal conductivity and heat transfer coefficient

YAŞAR E., Yildirim Y., Giresunlu I. B. PRAMANA-JOURNAL OF PHYSICS, cilt.87, sa.2, 2016 (SCI-Expanded)

LXVII. A Procedure to Construct Conservation Laws of Nonlinear Evolution Equations

YAŞAR E., SAN S. ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, cilt.71, sa.5, ss.475-480, 2016 (SCI-Expanded)

LXVIII. Nonlinear self adjointness, conservation laws and exact solutions of ill-posed Boussinesq equation

YAŞAR E., SAN S., SAĞLAM ÖZKAN Y. OPEN PHYSICS, cilt.14, sa.1, ss.37-43, 2016 (SCI-Expanded)

LXIX. Lie symmetry analysis, conservation laws and exact solutions of the seventh-order time fractional Sawada-Kotera-Ito equation

YAŞAR E., Yildirim Y., Khalique C. M. RESULTS IN PHYSICS, cilt.6, ss.322-328, 2016 (SCI-Expanded)

LXX. A procedure on the first integrals of second-order nonlinear ordinary differential equations

- YAŞAR E., Yıldırım Y.
 EUROPEAN PHYSICAL JOURNAL PLUS, cilt.130, sa.12, 2015 (SCI-Expanded)
- LXXI. **Conservation Laws and Soliton Solutions of the (1+1)-Dimensional Modified Improved Boussinesq Equation**
 GÜNER Ö., SAN S., BEKİR A., YAŞAR E.
 ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, cilt.70, sa.8, ss.669-672, 2015 (SCI-Expanded)
- LXXII. **On the conservation laws of Derrida-Lebowitz-Speer-Spohn equation**
 SAN S., YAŞAR E.
 COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION, cilt.22, ss.1297-1304, 2015 (SCI-Expanded)
- LXXIII. **On the Conservation Laws and Exact Solutions of a Modified Hunter-Saxton Equation**
 SAN S., YAŞAR E.
 ADVANCES IN MATHEMATICAL PHYSICS, cilt.2014, 2014 (SCI-Expanded)
- LXXIV. **Advances in Lie Groups and Applications in Applied Sciences**
 Özer T., Cheviakov A. F., Shi Weichen S. W., Migranov N., Sekhar T. R., YAŞAR E.
 ABSTRACT AND APPLIED ANALYSIS, 2013 (SCI-Expanded)
- LXXV. **A Short Note on Nonlocal Transformations and First Integrals for Certain Nonlinear Oscillator Equations**
 Yasar E.
 ABSTRACT AND APPLIED ANALYSIS, 2013 (SCI-Expanded)
- LXXVI. **lambda-symmetries, nonlocal transformations and first integrals to a class of Painleve-Gambier equations**
 Yasar E.
 MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.35, sa.6, ss.684-692, 2012 (SCI-Expanded)
- LXXVII. **Group properties and conservation laws for nonlocal shallow water wave equation**
 Rezvan F., YAŞAR E., Özer T.
 APPLIED MATHEMATICS AND COMPUTATION, cilt.218, sa.3, ss.974-979, 2011 (SCI-Expanded)
- LXXVIII. **On symmetries, conservation laws and invariant solutions of the foam-drainage equation**
 YAŞAR E., Özer T.
 INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS, cilt.46, sa.2, ss.357-362, 2011 (SCI-Expanded)
- LXXIX. **Integrating Factors and First Integrals for Lienard Type and Frequency-Damped Oscillators**
 Yasar E.
 MATHEMATICAL PROBLEMS IN ENGINEERING, cilt.2011, 2011 (SCI-Expanded)
- LXXX. **Conservation laws for a class of soil water equations**
 Yasar E.
 COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION, cilt.15, sa.10, ss.3193-3200, 2010 (SCI-Expanded)
- LXXXI. **New travelling wave solutions to the Ostrovsky equation**
 Yasar E.
 APPLIED MATHEMATICS AND COMPUTATION, cilt.216, sa.11, ss.3191-3194, 2010 (SCI-Expanded)
- LXXXII. **Application of the Jacobi method and integrating factors to a class of Painleve-Gambier equations**
 YAŞAR E., REİS M.
 JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, cilt.43, sa.29, 2010 (SCI-Expanded)
- LXXXIII. **Invariant solutions and conservation laws to nonconservative FP equation**
 YAŞAR E., Özer T.
 COMPUTERS & MATHEMATICS WITH APPLICATIONS, cilt.59, sa.9, ss.3203-3210, 2010 (SCI-Expanded)
- LXXXIV. **Conservation laws for one-layer shallow water wave systems**
 YAŞAR E., Özer T.
 NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS, cilt.11, sa.2, ss.838-848, 2010 (SCI-Expanded)
- LXXXV. **On the conservation laws and invariant solutions of the mKdV equation**

- Yasar E.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, cilt.363, sa.1, ss.174-181, 2010 (SCI-Expanded)
- XXXVI. **Variational principles and conservation laws to the Burridge-Knopoff equation**
Yasar E.
NONLINEAR DYNAMICS, cilt.54, sa.4, ss.307-312, 2008 (SCI-Expanded)

Düger Dergilerde Yayınlanan Makaleler

- I. **On Exact Solutions of Magneto-Electro-Elastic Rods Equation**
Çelik N., Yaşar E.
International Journal of Applied and Computational Mathematics, cilt.9, sa.5, 2023 (Scopus)
- II. **Investigation of Bifurcation Analysis and Soliton Solutions to the Longitudinal Wave Equation in a Magneto-Electro-Elastic Circular Rod**
Çelik N., Yaşar E.
Journal of Applied Nonlinear Dynamics, cilt.12, sa.4, ss.767-780, 2023 (ESCI)
- III. **The investigation of unique optical soliton solutions for dual-mode nonlinear Schrödinger's equation with new mechanisms**
Kopçasız B., YAŞAR E.
Journal of Optics (India), cilt.52, sa.3, ss.1513-1527, 2023 (ESCI)
- IV. **Novel multi-wave solutions for the fractional order dual-mode nonlinear Schrödinger equation**
Yaşar E., Kopçasız B.
Annals of Mathematics and Computer Science, cilt.16, ss.100-111, 2023 (Hakemli Dergi)
- V. **μ -Symmetries and μ -Conservation Laws for The Nonlinear Dispersive Modified Benjamin-Bona-Mahony Equation**
Yaşar E., Kopçasız B.
Journal of mathematical sciences and modelling (Online), cilt.6, sa.3, ss.87-96, 2023 (Hakemli Dergi)
- VI. **Group invariant solutions and local conservation laws of heat conduction equation arising laser heating carbon nanotubes using Lie group analysis**
Yaşar E., Yıldırım Y.
Mathematical Sciences and Applications E-Notes, cilt.10, sa.2, ss.102-113, 2022 (Hakemli Dergi)
- VII. **On the exact and numerical solutions to a new (2 + 1)-dimensional Korteweg-de Vries equation with conformable derivative**
Sağlam Özkan Y., Yaşar E., Çelik N.
Nonlinear Engineering, cilt.10, sa.1, ss.46-65, 2021 (ESCI)
- VIII. **Optical soliton solutions to a (2+1) dimensional Schrödinger equation using a couple of integration architectures**
Doğan Çankal P., Yaşar E.
Applied Mathematics and Nonlinear Sciences, cilt.6, sa.1, ss.381-396, 2021 (ESCI)
- IX. **LUMP-TYPE SOLUTIONS OF A NEW EXTENDED (3+1)-DIMENSIONAL NONLINEAR EVOLUTION EQUATION**
Yıldırım Y., YAŞAR E.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, cilt.70, sa.1, ss.382-396, 2021 (ESCI)
- X. **Algebraic Traveling Wave Solutions to Nonlinear Evolution Equations**
Yıldırım Y., YAŞAR E.
Journal of Applied Nonlinear Dynamics, cilt.8, sa.4, ss.557-567, 2019 (Scopus)
- XI. **A Novel Scheme for Nonlinear Evolution Equations Using Symbolic Computations**
Yıldırım Y., YAŞAR E., Adem A. R., YAŞAR E.
Journal of Applied Nonlinear Dynamics, cilt.8, sa.3, ss.463-473, 2019 (Scopus)
- XII. **On the Lie symmetry analysis and traveling wave solutions of time fractional fifth-order modified**

- Sawada-Kotera equation**
 YAŞAR E., Yıldırım Y.
 Karaelmas Science and Engineering Journal, 2018 (Hakemli Dergi)
- XIII. **Optical solitons of conformable space-time fractional NLSE with Spatio-temporal dispersion**
 YAŞAR E., YAŞAR E.
 New Trends in Mathematical Science, cilt.3, sa.6, ss.116-127, 2018 (Hakemli Dergi)
- XIV. **WRONSKIAN SOLUTIONS OF (2+1) DIMENSIONAL NON-LOCAL ITO EQUATION**
 Yıldırım Y., YAŞAR E.
 COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, cilt.67, sa.2, ss.126-138, 2018 (ESCI)
- XV. **Symmetry Reductions, Exact Solutions and Conservation Laws for the Coupled Nonlinear Klein-Gordon System**
 YAŞAR E., GİRESUNLU İ. B.
 Celal Bayar Üniversitesi Fen Bilimleri Dergisi, 2017 (Hakemli Dergi)
- XVI. **First integrals and exact solutions for path equation describing minimum drag work**
 YAŞAR E., GİRESUNLU İ. B.
 International Journal of Advances in Applied Mathematics and Mechanics, 2015 (Hakemli Dergi)
- XVII. **On the conservation laws and traveling wave solutions to the BBM equation**
 YAŞAR E., ÖZER T.
 Journal of Interdisciplinary Mathematics, cilt.13, sa.1, ss.77-86, 2010 (Scopus)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **On the integrability properties of extended (31) dimensional Jimbo-Miwa equation**
 YAŞAR E., Yıldırım Y.
 INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, İstanbul, Türkiye, 10 - 12 Mayıs 2017, ss.233
- II. **Multiple soliton solutions of (31) dimensional Jimbo-Miwa equations**
 YAŞAR E., Yıldırım Y.
 INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, 10 - 12 Mayıs 2017, ss.174
- III. **On the Lie Symmetry Analysis and Group Invariant Solutions of Some Logarithmic Evolution Equations**
 GİRESUNLU İ. B., YAŞAR E., Adem A. R.
 INTERNATIONAL WORKSHOP ON MATHEMATICAL METHODS IN ENGINEERING, Ankara, Türkiye, 27 - 29 Nisan 2017
- IV. **On The Solutions and Conservation Laws of (2 1)-Dimensional Breaking Soliton Equation**
 YAŞAR E., Yıldırım Y.
 INTERNATIONAL WORKSHOP ON MATHEMATICAL METHODS IN ENGINEERING, 27 - 29 Nisan 2017
- V. **Application of Multiple Exp-Function Method to Nonlinear Evolution Equations**
 YAŞAR E., Yıldırım Y.
 INTERNATIONAL WORKSHOP ON MATHEMATICAL METHODS IN ENGINEERING, 27 - 29 Nisan 2017, ss.136
- VI. **Exact Solutions Lie Symmetry Analysis and Conservation Laws of Shamel Korteweg de Vries Equation by Using Some Methods**
 SAĞLAM ÖZKAN Y., GİRESUNLU İ. B., YAŞAR E.
 7th European Congress of Mathematics (7ECM in Berlin), Berlin, Almanya, 18 - 22 Temmuz 2016, ss.489
- VII. **Nonlinear self adjointness of some nonlinear evolution equations**
 SAN S., YAŞAR E.
 International Conference on Quantum Science and Applications, 25 - 27 Mayıs 2016
- VIII. **Exact Traveling wave solutions of Konopelchenko Dubrovsky system by using G G 1 G expansion method**

GİRESUNLU İ. B., YAŞAR E.

International Conference on Quantum Science and Applications, 25 - 27 Mayıs 2016

IX. Exact Solutions of Nonlinear Space Time Fractional Differential Equations Using G G 1 G Expansion Method

YAŞAR E., Giresunlu I. B.

INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, 8 - 12 Haziran 2015

X. Nonlinear Self Adjointness Conservation Laws and Exact Solutions for Ill Posed Boussineq Equation

SAĞLAM ÖZKAN Y., SAN S., YAŞAR E.

INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, 8 - 12 Haziran 2015

XI. Nonlinear self adjointness conservation laws and exact solutions for ill posed Boussinesq equation

SAĞLAM ÖZKAN Y., SAN S., YAŞAR E.

International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Türkiye, 8 - 12 Haziran 2015

XII. Application of the Composite Variational Principle to Shallow Water Equations

YAŞAR E., Özer T.

2nd Conference on Nonlinear Science and Complexity (NSC'08), Porto, Portekiz, 28 - 31 Temmuz 2008, ss.73-78

Desteklenen Projeler

YAŞAR E., GÜNHAN AY N., Yükseköğretim Kurumları Destekli Proje, Doğadaki Denge: Lineer Olmayan Kesir Türevli Difüzif Avcı-Av Sisteminin İntegralebilirliği ve Yeni Tam Çözümleri, 2023 - Devam Ediyor

Yaşar E., Yükseköğretim Kurumları Destekli Proje, Karbon nanotüplerin kanser tümörlerinin tedavisi üzerine bir matematiksel modeli ve analitik çözümleri, 2019 - 2022

Yaşar E., Yükseköğretim Kurumları Destekli Proje, Kısmi Diferensiyel Denklemlerin Korunum Kanunları ve İndirgemeleri, 2013 - 2015

Bilimsel Dergilerdeki Faaliyetler

Research and Communications in Mathematics and Mathematical Sciences, Editörler Kurulu Üyesi, 2016 - Devam Ediyor

Bilimsel Hakemlikler

Results in Physics, SCI Kapsamındaki Dergi, Haziran 2023

Results in Physics, SCI Kapsamındaki Dergi, Haziran 2023

Results in Physics, SCI Kapsamındaki Dergi, Mayıs 2023

OPTIK, SCI Kapsamındaki Dergi, Nisan 2023

OPTIK, SCI Kapsamındaki Dergi, Nisan 2023

OPTIK, SCI Kapsamındaki Dergi, Nisan 2023

OPTIK, SCI Kapsamındaki Dergi, Mart 2023

JOURNAL OF OCEAN ENGINEERING AND SCIENCE, SCI Kapsamındaki Dergi, Haziran 2022

COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION, SCI Kapsamındaki Dergi, Haziran 2022

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