

Prof. EMRULLAH YAŞAR

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAG-9947-2021

ScopusID: 23471031300

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Biography

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.

Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik (Dr), Turkey 2005 - 2009

Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik (YI) (Tezli), Turkey 2001 - 2004

Undergraduate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, Matematik Bölümü, Turkey 1997 - 2001

Foreign Languages

English, C1 Advanced

Dissertations

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

Postgraduate, Genelleştirilmiş Beltrami denklemleri için sınır-değer problemleri, 2004

Research Areas

Differential Equations

Academic Titles / Tasks

Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2020 - Continues
Associate Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2014 - Continues
Assistant Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2011 - Continues

Academic and Administrative Experience

Deputy Head of Department, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2019 - Continues
Head of Department, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2019 - Continues
Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, Matematik Bölümü, 2012 - 2015

Courses

GENELLEŞTİRİLMİŞ ANALİTİK FONKSİYONLAR II, Doctorate, 2022 - 2023
MÜHENDİSLİK MATEMATİĞİ, Undergraduate, 2022 - 2023
Uygulamalı Matematiğin Metotları II, Undergraduate, 2022 - 2023
DOKTORA UZMANLIK ALAN DERSİ IX, Doctorate, 2023 - 2024
YÜKSEK LİSANS UZMANLIK ALAN DERSİ II, Postgraduate, 2022 - 2023
DOKTORA UZMANLIK ALAN DERSİ II, Doctorate, 2022 - 2023
DİFERANSİYEL DENKLEMLER, Undergraduate, 2023 - 2024
İLERİ ÖZEL FONKSİYONLAR, Doctorate, 2022 - 2023
TEZ DANIŞMANLIĞI V, Doctorate, 2023 - 2024
TEZ DANIŞMANLIĞI, Doctorate, 2022 - 2023
Applied Mathematics Methods I, Undergraduate, 2022 - 2023
TEZ DANIŞMANLIĞI I, Postgraduate, 2022 - 2023
Olasılık ve İstatistik, Undergraduate, 2022 - 2023
Uygulamalı Matematiğin Metotları II, Undergraduate, 2021 - 2022, 2019 - 2020
Yüksek Lisans Uzmanlık Alan Dersi I, Postgraduate, 2022 - 2023
Lie Groups and Conservation Laws I, Doctorate, 2022 - 2023
Mühendislik Matematiği, Undergraduate, 2021 - 2022
DÖNÜŞÜM GRUPLARI ve LİE CEBİRLERİ II, Postgraduate, 2021 - 2022
LİE GRUPLARI ve KORUNUM KANUNLARI II, Doctorate, 2021 - 2022
Doktora Uzmanlık Alan Dersi, Doctorate, 2022 - 2023
Differential Equations, Undergraduate, 2022 - 2023
KISMİ DİFERANSİYEL DENKLEMLER II, Postgraduate, 2021 - 2022
UYGULAMALI MATEMATİĞİN METODLARI II, Undergraduate, 2021 - 2022
Selected Topics in Partial Differential Equations, Doctorate, 2022 - 2023
İleri Kısmi Diferensiyel Denklemler, Doctorate, 2020 - 2021

Advising Theses

Yaşar E., Lineer olmayan Schrödinger tipi denklemlerin analitik ve yak6 çözümlerinin elde edilmesi, Doctorate, B.Koççasız(Student), 2024
Yaşar E., Oluşum tipi denklemlerin Hirota bilinear formları ve etkileşim çözümleri, Postgraduate, M.ZEYNEL(Student), 2023
Yaşar E., Oluşum tipi kısmi diferansiyel denklemlerin yaklaşık çözümlerinin yüksek başarımlı hesaplama açısından incelenmesi, Postgraduate, N.GÜNHAN(Student), 2021
Yaşar E., Nonlinear partial differential equations and exact solutions, Postgraduate, P.DOĞAN(Student), 2020
Yaşar E., Exact solutions to evolution type nonlinear partial differential equations, Doctorate, Y.YILDIRIM(Student), 2019

YAŞAR E., Symmetry reductions, conservation laws and exact solution of the evolution differential equations, Doctorate, İ.Burak(Student), 2017
YAŞAR E., Oluşum türü diferensiyel denklemlerin simetri indirgemeleri, korunum kanunları ve tam çözümleri, Doctorate, İ.BURAK(Student), 2017
YAŞAR E., First integrals of second order ordinary differential equations, Postgraduate, Y.YILDIRIM(Student), 2015
YAŞAR E., Kısmi diferensiyel denklemlerin korunum kanunları ve indirgemeleri, Doctorate, S.SAN(Student), 2014
YAŞAR E., Symmetry reductions of nonlinear second-order ordinary differential equations, Postgraduate, İ.BURAK(Student), 2013

Jury Memberships

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Bursa Uludağ Üniversitesi, February, 2024
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Bursa Uludağ Üniversitesi, January, 2024
Associate Professor Exam, Associate Professor Exam, Bursa Uludağ Üniversitesi, October, 2022
Associate Professor Exam, Associate Professor Exam, Bursa Uludağ University, March, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **EXACT WAVE SOLUTIONS AND LOCAL CONSERVATION LAWS OF A THIRD-ORDER BOUSSINESQ SYSTEM**
YAŞAR E., YAŞAR E.
DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES S, 2024 (SCI-Expanded)
- II. **On the qualitative behavior and numerical analysis of a calcium oscillation model through Atangana-Baleanu operator in Caputo sense**
YAŞAR E., YAŞAR E.
INTERNATIONAL JOURNAL OF MODERN PHYSICS C, 2024 (SCI-Expanded)
- III. **Solitonic structures and chaotic behavior in the geophysical Korteweg-de Vries equation: A μ -symmetry and $\langle i \rangle g \langle /i \rangle$ -expansion approach**
Kopcasiz B., Yasar E.
MODERN PHYSICS LETTERS B, 2024 (SCI-Expanded)
- IV. **On the comparative study for Klein-Fock-Gordon equation: Fractional exact solutions, bifurcation and sensitivity analysis**
Ay N. G., SAĞLAM ÖZKAN Y., YAŞAR E.
CHINESE JOURNAL OF PHYSICS, vol.89, pp.453-468, 2024 (SCI-Expanded)
- V. **Exploration of interactional phenomena and multi-wave solutions of the fractional-order dual-mode nonlinear Schrödinger equation**
Yaşar E., Koççasız B.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.47, no.4, pp.2516-2534, 2024 (SCI-Expanded)
- VI. **Dual-mode nonlinear Schrödinger equation (DMNLSE): Lie group analysis, group invariant solutions, and conservation laws**
Yaşar E., Koççasız B.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.2024, pp.1-26, 2024 (SCI-Expanded)
- VII. **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, no.5, 2024 (SCI-Expanded)
- VIII. **Multi-wave, breather and interaction solutions to (3+1) dimensional sine-Gordon equation arising**

in nonlinear physical sciences

Sağlam Özkan Y., Yaşar E., Masood Khaliq C.

Journal of Computational Science, vol.73, 2023 (SCI-Expanded)

- IX. **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, vol.75, no.11, pp.1-8, 2023 (SCI-Expanded)
- X. **Adaptation of Caputo residual power series scheme in solving nonlinear time fractional Schrödinger equations**
Kopçasız B., YAŞAR E.
Optik, vol.289, 2023 (SCI-Expanded)
- XI. **Novel dispersive soliton solutions to a fractional nonlinear Schrödinger equation related with ultrashort pulses**
Günhan Ay N., YAŞAR E.
Pramana - Journal of Physics, vol.97, no.3, 2023 (SCI-Expanded)
- XII. **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, vol.24, no.2, pp.617-632, 2023 (SCI-Expanded)
- XIII. **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, vol.55, pp.1-30, 2023 (SCI-Expanded)
- XIV. **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, vol.55, no.4, 2023 (SCI-Expanded)
- XV. **On the Lie symmetry analysis, analytic series solutions, and conservation laws of the time fractional Belousov-Zhabotinskii system**
SAN S., YAŞAR E.
NONLINEAR DYNAMICS, vol.109, no.4, pp.2997-3008, 2022 (SCI-Expanded)
- XVI. **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, vol.54, no.7, 2022 (SCI-Expanded)
- XVII. **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, vol.36, no.09, 2022 (SCI-Expanded)
- XVIII. **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, vol.54, no.3, 2022 (SCI-Expanded)
- XIX. **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, vol.16, no.1, pp.1287-1297, 2022 (SCI-Expanded)
- XX. **Breather-type and multi-wave solutions for (2+1)-dimensional nonlocal Gardner equation**
Sağlam Özkan Y., Yaşar E.
APPLIED MATHEMATICS AND COMPUTATION, vol.390, 2021 (SCI-Expanded)
- XXI. **On the optical solitons and local conservation laws of Chen–Lee–Liu dynamical wave equation**

SAĞLAM ÖZKAN Y., Seadawy A. R., YAŞAR E.

Optik, vol.227, 2021 (SCI-Expanded)

- XXII. **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, vol.143, 2021 (SCI-Expanded)
- XXIII. **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, vol.15, no.1, pp.666-678, 2021 (SCI-Expanded)
- XXIV. **Multiwave and interaction solutions and Lie symmetry analysis to a new (2 + 1)-dimensional Sakovich equation**
SAĞLAM ÖZKAN Y., YAŞAR E.
Alexandria Engineering Journal, vol.59, pp.5285-5293, 2020 (SCI-Expanded)
- XXV. **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, vol.95, no.8, 2020 (SCI-Expanded)
- XXVI. **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, vol.14, no.1, pp.585-597, 2020 (SCI-Expanded)
- XXVII. **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, vol.94, no.1, 2020 (SCI-Expanded)
- XXVIII. **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, vol.20, pp.747-755, 2019 (SCI-Expanded)
- XXIX. **Extended Transformed Rational Function Method to Nonlinear Evolution Equations**
YAŞAR E., Yildirim Y., Adem A. R.
INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, vol.20, no.6, pp.691-701, 2019 (SCI-Expanded)
- XXX. **Optical soliton perturbation in parabolic law medium having weak non-local nonlinearity by a couple of strategic integration architectures**
Biswas A., Yildirim Y., YAŞAR E., Zhou Q., Alshomrani A. S., Belic M.
RESULTS IN PHYSICS, vol.13, 2019 (SCI-Expanded)
- XXXI. **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, vol.21, pp.213-221, 2019 (SCI-Expanded)
- XXXII. **Complexiton solutions and soliton solutions: -dimensional Date-Jimbo-Kashiwara-Miwa equation**
Adem A. R., Yildirim Y., YAŞAR E.
PRAMANA-JOURNAL OF PHYSICS, vol.92, no.3, 2019 (SCI-Expanded)
- XXXIII. **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, vol.92, no.2, 2019 (SCI-Expanded)
- XXXIV. **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, vol.179, pp.927-940, 2019 (SCI-Expanded)

- XXXV. **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, vol.178, pp.669-680, 2019 (SCI-Expanded)
- XXXVI. **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, vol.56, no.5, pp.1990-1998, 2018 (SCI-Expanded)
- XXXVII. **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, vol.20, pp.385-402, 2018 (SCI-Expanded)
- XXXVIII. **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, vol.9, pp.1666-1672, 2018 (SCI-Expanded)
- XXXIX. **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, vol.50, no.3, 2018 (SCI-Expanded)
- XL. **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, vol.8, pp.898-902, 2018 (SCI-Expanded)
- XLI. **A (2+1)-dimensional breaking soliton equation: Solutions and conservation laws**
Yildirim Y., YAŞAR E.
CHAOS SOLITONS & FRACTALS, vol.107, pp.146-155, 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, vol.160, pp.33-43, 2018 (SCI-Expanded)
- XLIII. **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, vol.162, pp.108-120, 2018 (SCI-Expanded)
- XLIV. **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, vol.157, pp.1366-1375, 2018 (SCI-Expanded)
- XLV. **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, vol.154, pp.551-557, 2018 (SCI-Expanded)
- XLVI. **Optical solitons with differential group delay by trial equation method**
Biswas A., Yildirim Y., YAŞAR E., Zhou Q., Moshokoa S. P., Belic M.
OPTIK, vol.160, pp.116-123, 2018 (SCI-Expanded)
- XLVII. **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, vol.157, pp.1235-1240, 2018 (SCI-Expanded)
- XLVIII. **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, vol.167, pp.121-128, 2018 (SCI-Expanded)

- XLIX. 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, vol.162, pp.35-41, 2018 (SCI-Expanded)
- L. 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, vol.165, pp.74-86, 2018 (SCI-Expanded)
- LI. 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, vol.157, pp.1376-1380, 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, vol.63, 2018 (SCI-Expanded)
- LIII. Perturbed optical solitons with spatio-temporal dispersion in (2+1) -dimensions by extended Kudryashov method**
 YAŞAR E., Yildirim Y., Adem A. R.
 OPTIK, vol.158, pp.1-14, 2018 (SCI-Expanded)
- LIV. 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, vol.160, pp.44-60, 2018 (SCI-Expanded)
- LV. 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, vol.160, pp.24-32, 2018 (SCI-Expanded)
- LVI. 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, vol.167, pp.170-188, 2018 (SCI-Expanded)
- LVII. 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, vol.157, pp.1214-1218, 2018 (SCI-Expanded)
- LVIII. Optical solitons for Lakshmanan-Porsezian-Daniel model with dual-dispersion by trial equation method**
 Biswas A., Yildirim Y., YAŞAR E., Alqahtani R. T.
 OPTIK, vol.168, pp.432-439, 2018 (SCI-Expanded)
- LIX. 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, vol.163, pp.126-136, 2018 (SCI-Expanded)
- LX. 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, vol.158, pp.399-415, 2018 (SCI-Expanded)
- LXI. 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, vol.173, pp.21-31, 2018 (SCI-Expanded)
- LXII. An extended Korteweg-de Vries equation: multi-soliton solutions and conservation laws**
 Yildirim Y., YAŞAR E.
 NONLINEAR DYNAMICS, vol.90, no.3, pp.1571-1579, 2017 (SCI-Expanded)

- LXIII. **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, vol.111, pp.487-498, 2017 (SCI-Expanded)
- LXIV. **A multiple exp-function method for the three model equations of shallow water waves**
Yildirim Y., YAŞAR E., Adem A. R.
NONLINEAR DYNAMICS, vol.89, no.3, pp.2291-2297, 2017 (SCI-Expanded)
- LXV. **Multiple exp-function method for soliton solutions of nonlinear evolution equations**
Yildirim Y., YAŞAR E.
CHINESE PHYSICS B, vol.26, no.7, 2017 (SCI-Expanded)
- LXVI. **On the Conservation Laws of Modified KdV-KP Equation**
YAŞAR E., SAN S.
FILOMAT, vol.31, no.6, pp.1483-1490, 2017 (SCI-Expanded)
- LXVII. **Conservation laws for Gerdjikov-Ivanov equation in nonlinear fiber optics and PCF**
Biswas A., Yildirim Y., YAŞAR E., Babatin M. M.
OPTIK, vol.148, pp.209-214, 2017 (SCI-Expanded)
- LXVIII. **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, vol.7, pp.3116-3123, 2017 (SCI-Expanded)
- LXIX. **The $(G'/G, 1/G)$ -expansion method for solving nonlinear space-time fractional differential equations**
YAŞAR E., Giresunlu I. B.
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- LXX. **First integrals and analytical solutions of the nonlinear fin problem with temperature-dependent thermal conductivity and heat transfer coefficient**
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