

Dr. Öğr. Üyesi MUHAMMAD ABUBAKAR ISAH

Kişisel Bilgiler

E-posta: maisah@ticaret.edu.tr

Web: <https://avesis.ticaret.edu.tr/maisah>

Uluslararası Araştırmacı ID'leri

ScholarID: VS5Q5XkAAAAJ

ORCID: 0000-0001-9129-5657

Publons / Web Of Science ResearcherID: KDN-3606-2024

ScopusID: 57356424500

Yoksis Araştırmacı ID: 425751

Araştırma Alanları

Matematik, Fizik, Temel Bilimler

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Unveiling novel insights: Nonlinear dispersion dynamics of optical solitons through new ϕ^6 -Model expansion in the Klein–Gordon equation**
Yokus A., ISAH M. A.
Chinese Journal of Physics, cilt.95, ss.476-492, 2025 (SCI-Expanded)
- II. **Dynamical behaviors of different wave structures to the Korteweg–de Vries equation with the Hirota bilinear technique**
Yokus A., Isah M. A.
Physica A: Statistical Mechanics and its Applications, cilt.622, 2023 (SCI-Expanded)
- III. **Investigation of internal dynamics of soliton with the help of traveling wave soliton solution of Hamilton amplitude equation**
Yokus A., ISAH M. A.
Optical and Quantum Electronics, cilt.54, sa.8, 2022 (SCI-Expanded)
- IV. **Stability analysis and solutions of $(2 + 1)$ -Kadomtsev–Petviashvili equation by homoclinic technique based on Hirota bilinear form**
Yokus A., Isah M. A.
Nonlinear Dynamics, 2022 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Nonlinear Dispersion Dynamics of Optical Solitons of Zoomeron Equation with New ϕ^6 -Model Expansion Approach**
ISAH M. A., YOKUŞ A.
Journal of Vibration Testing and System Dynamics, cilt.8, 2024 (Scopus)
- II. **BILINEAR NEURAL NETWORK METHOD FOR OBTAINING THE EXACT ANALYTICAL SOLUTIONS TO NONLINEAR EVOLUTION EQUATIONS AND ITS APPLICATION TO KdV EQUATION**
Isah M. A., Yokuş A., Kaya D.

Khayyam Journal of Mathematics, cilt.10, sa.2, ss.228-248, 2024 (Scopus)

- III. **Exploring the influence of layer and neuron configurations on Boussinesq equation solutions via a bilinear neural network framework**
Isah M. A., Yokus A., Kaya D.
NONLINEAR DYNAMICS, cilt.112, ss.13361-13377, 2024 (ESCI)
- IV. **Bilinear neural network method for obtaining the exact analytical solutions to nonlinear evolution equations and its application to KdV equation**
ISAH M. A., YOKUŞ A., KAYA D.
Khayyam Journal of Mathematics, 2024 (Hakemli Dergi)
- V. **OPTICAL SOLITONS WITH THE NONLINEAR LONG-SHORT WAVE INTERACTION SYSTEM MODEL BY NEWLY ϕ_6 -MODEL EXPANSION APPROACH**
ISAH M. A., YOKUŞ A.
Advances in Computational Mathematics and Modelling, 2023 (Hakemli Dergi)
- VI. **Optical solitons of the complex Ginzburg-Landau equation having dual power nonlinear form using ϕ_6 -model expansion approach**
Isah M. A., Yokus A.
Mathematical Modelling and Numerical Simulation with Applications, cilt.3, sa.3, ss.188-215, 2023 (Scopus)
- VII. **A novel technique to construct exact solutions for the Complex Ginzburg-Landau equation using quadratic-cubic nonlinearity law.**
ISAH M. A., YOKUŞ A.
Mathematics in Engineering, Science and Aerospace, cilt.14, sa.1, ss.239-260, 2023 (Scopus)
- VIII. **A novel technique to construct exact solutions for the Complex Ginzburg-Landau equation using quadratic-cubic nonlinearity law**
Isah M. A., yokus A.
Mathematics in Engineering, Science and Aerospace, cilt.14, sa.1, ss.239-260, 2023 (Scopus)
- IX. **The novel optical solitons with complex Ginzburg-Landau equation for parabolic nonlinear form using the ϕ_6 -model expansion approach**
Isah M. A., yokus A.
Mathematics in Engineering, Science and Aerospace, cilt.14, sa.1, ss.205-225, 2023 (Scopus)
- X. **The novel optical solitons with complex Ginzburg-Landau equation for parabolic nonlinear form using the ϕ_6 -model expansion approach.**
ISAH M. A., YOKUŞ A.
Mathematics in Engineering, Science and Aerospace, cilt.14, ss.205-225, 2023 (Scopus)
- XI. **Application of the newly ϕ_6 -model expansion approach to the nonlinear reaction-diffusion equation**
ISAH M. A., YOKUŞ A.
Open Journal of Mathematical Sciences, cilt.6, 2022 (Hakemli Dergi)
- XII. **The investigation of several soliton solutions to the complex Ginzburg-Landau model with Kerr law nonlinearity**
ISAH M. A., YOKUŞ A.
Mathematical Modelling and Numerical Simulation with Applications, cilt.2, ss.147-163, 2022 (Scopus)
- XIII. **ON INTEGRABILITY OF SILVER RIEMANNIAN STRUCTURE**
Isah I., ISAH M. A., Baba M. U., Hassan T. L., Kabir K. D.
International Journal of Advanced Academic Research, 2021 (Hakemli Dergi)
- XIV. **SOME CHARACTERIZATION OF OSCULATING CURVES ACCORDING TO DARBOUX FRAME IN THREE DIMENSIONAL EUCLIDEAN SPACE**
ISAH M. A., Isah I., Hassan T. L., Baba M. U., Kabir K. D.
International Journal of Advanced Academic Research, 2021 (Hakemli Dergi)
- XV. **Special Curves According to Bishop Frame in Minkowski 3-Space**
Isah M. A., Külâhçl M. A.
Applied Mathematics and Nonlinear Sciences, cilt.5, sa.1, ss.237-247, 2020 (Scopus)

XVI. A study on null cartan curve in Minkowski 3-space

Isah M. A., Külahl M. A.

Applied Mathematics and Nonlinear Sciences, cilt.5, sa.1, ss.413-424, 2020 (Scopus)

Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

- I. **Soliton Solitons Of The Nonlinear Duffing Equation Using Newly ϕ^6 -Model Expansion Approach**
ISAH M. A., YOKUŞ A., YAHUZA M.
8th INTERNATIONAL STUDENT SYMPOSIUM, Kahramanmaraş, Türkiye, 23 Eylül 2022, ss.78-98, (Tam Metin Bildiri)
- II. **Stability Analysis and Soliton Solutions of the Nonlinear Evolution Equation by Homoclinic Technique Based on Hirota Bilinear Form**
Yokus A., Isah M. A.
2023 International Conference on Fractional Differentiation and Its Applications, ICFDA 2023, Ajman, Birleşik Arap Emirlikleri, 14 - 16 Mart 2023, (Tam Metin Bildiri)
- III. **Rogue waves and Stability Analysis of the new (2+1)-KdV Equation Based on Symbolic Computation Method via Hirota Bilinear Form**
Isah M. A., Yokus A.
2023 International Conference on Fractional Differentiation and Its Applications, ICFDA 2023, Ajman, Birleşik Arap Emirlikleri, 14 - 16 Mart 2023, (Tam Metin Bildiri)
- IV. **Involute Curves in 4-Dimensional Galilean Space G_4**
ISAH M. A., ALYAMAÇ KÜLAHCI M.
Conference Proceeding of 17th International Geometry Symposium (2019) Erzincan/Turkey, Erzincan, Türkiye, 19 - 22 Haziran 2019, (Tam Metin Bildiri)

Metrikler

Yayın: 24

Atıf (Scopus): 150

H-İndeks (Scopus): 7