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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), Türkiye 2011 - 2016

Yüksek Lisans, Aydın Adnan Menderes Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Türkiye 2008 - 2010

Lisans, Celâl Bayar Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, Türkiye 2004 - 2008

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Hilbert uzaylarında ve normlu uzaylarda moment problemleri ve kontrol teorisindeki uygulamaları üzerine, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), 2016

Yüksek Lisans, Standart ağlar üzerinde ϵ -düzgün yakınsayan metotlar, Aydın Adnan Menderes Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2010

Akademik Unvanlar / Görevler

Öğretim Görevlisi, Yozgat Bozok Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2011 - 2017

Verdiği Dersler

GENEL MATEMATİK-1, Lisans, 2015 - 2016, 2016 - 2017, 2017 - 2018

NÜMERİK ANALİZ 2, Lisans, 2016 - 2017, 2017 - 2018

UZMANLIK ALAN DERSİ-I, Yüksek Lisans, 2017 - 2018

SONLU BOYUTLU LİNEER OBJELERİN KONTROLÜNE GİRİŞ II, Yüksek Lisans, 2017 - 2018

MATEMATİK-2, Lisans, 2015 - 2016, 2016 - 2017, 2017 - 2018

TEMEL BİLGİ TEKNOLOJİLERİ KULLANIMI, Lisans, 2016 - 2017, 2017 - 2018

UYGULAMALI BİLİMLERDE MATEMATİK II, Lisans, 2015 - 2016, 2016 - 2017, 2017 - 2018

MATEMATİK II, Lisans, 2017 - 2018

BİTİRME TEZİ, Lisans, 2015 - 2016, 2016 - 2017, 2017 - 2018

NÜMERİK ANALİZ 1, Lisans, 2016 - 2017, 2017 - 2018

UYGULAMALI BİLİMLERDE MATEMATİK I, Lisans, 2015 - 2016, 2016 - 2017, 2017 - 2018

BİLGİSAYAR PROGRAMLAMAYA GİRİŞ, Lisans, 2016 - 2017, 2017 - 2018

DAĞILMIŞ PARAMETRELİ SİSTEMLERİN KONTROLLÜ METODLARI II, Yüksek Lisans, 2016 - 2017, 2017 - 2018

DAĞILMIŞ PARAMETRELİ SİSTEMLERİN KONTROLLÜ METODLARI, Yüksek Lisans, 2016 - 2017, 2017 - 2018

MATEMATİK I, Lisans, 2017 - 2018

UZMANLIK ALAN DERSİ II, Yüksek Lisans, 2017 - 2018
MÜHENDİSLİK MATEMATİĞİ I, Lisans, 2016 - 2017
MÜHENDİSLİK MATEMATİĞİ II, Lisans, 2016 - 2017
DİFFERANSİYEL DENKLEMLER, Lisans, 2015 - 2016
MÜHENDİSLİK MATEMATİĞİ, Lisans, 2015 - 2016
MÜHENDİSLİK MATEMATİĞİ-1, Lisans, 2015 - 2016
DİFERANSİYEL DENKLEMLER, Lisans, 2015 - 2016

Yönetilen Tezler

Ekici M., Genişletilmiş direkt cebirsel yöntem ile kudryashovmodeli için diferansiyel grup gecikmeli kübik-kuartikoptik solitonlar, Yüksek Lisans, A.ADANIR(Öğrenci), 2021
EKİCİ M., GENİŞLETİLMİŞ (G'/G)-AÇILIM YÖNTEMİ İLE MANYETO-OPTİK DALGA KILAVUZLARINDA OPTİK SOLİTON PERTÜRBASYONU, Yüksek Lisans, E.KOÇ(Öğrenci), 2021
EKİCİ M., F-AÇILIM YÖNTEMLERİ İLE KUDRYASHOV KIRILMA İNDİSİ YASASINA SAHİP KÜBİK-KUARTİK OPTİK SOLİTONLAR, Yüksek Lisans, G.GENÇ(Öğrenci), 2021
EKİCİ M., ETKİLİ METOTLAR İLE ANTI-KÜBİK NONLİNEERLİĞE SAHİP ÇİFT KIRILMALI FİBERLERDE OPTİK SOLİTONLAR, Yüksek Lisans, H.BÖLÜKBAŞI(Öğrenci), 2021
Ekici M., GENİŞLETİLMİŞ DENEME FONKSİYON YÖNTEMİ İLE NONLİNEER KROMATİK DAĞILIMLI VE GENELLEŞTİRİLMİŞ ZAMANSAL GELİŞİMLİ DURAĞAN OPTİK SOLİTONLAR, Yüksek Lisans, N.SUCU(Öğrenci), 2021

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Conservation laws for solitons in magneto-optic waveguides with dual-power law nonlinearity**
Biswas A., Vega-Guzman J. M. , Kara A. H. , Zhou Q., EKİCİ M., Yıldırım Y., Alshehri H. M. , Belic M. R.
Physics Letters, Section A: General, Atomic and Solid State Physics, cilt.416, 2021 (SCI İndekslerine Giren Dergi)
- II. **Algorithm for dark solitons with Radhakrishnan-Kundu-Lakshmanan model in an optical fiber**
Annamalai M., Veerakumar N., Narasimhan S. L. , Selvaraj A., Zhou Q., Biswas A., EKİCİ M., Alshehri H. M. , Belic M. R.
Results in Physics, cilt.30, 2021 (SCI İndekslerine Giren Dergi)
- III. **Stationary optical solitons with Kudryashov's laws of refractive index**
EKİCİ M., SÖNMEZOĞLU A., Biswas A.
CHAOS SOLITONS & FRACTALS, cilt.151, 2021 (SCI İndekslerine Giren Dergi)
- IV. **Optical solitons in birefringent fibers having anti-cubic nonlinearity with Jacobi's elliptic function expansions**
Bolukbasi H., EKİCİ M., Biswas A.
OPTICAL AND QUANTUM ELECTRONICS, cilt.53, sa.10, 2021 (SCI İndekslerine Giren Dergi)
- V. **Time-dependent coupled complex short pulse equation: Invariant analysis and complexitons**
Kumar V., Biswas A., EKİCİ M., Moraru L., Alzahrani A. K. , Belic M. R.
CHAOS SOLITONS & FRACTALS, cilt.150, 2021 (SCI İndekslerine Giren Dergi)
- VI. **Highly dispersive optical soliton perturbation with Kudryashov's sextic-power law nonlinear refractive index by semi-inverse variation**
Biswas A., EKİCİ M., Dakova A., Khan S., Moshokoa S. P. , Alshehri H. M. , Belic M. R.
RESULTS IN PHYSICS, cilt.27, 2021 (SCI İndekslerine Giren Dergi)
- VII. **Formation of chirped kink similaritons in non-Kerr media with varying Raman effect**
Triki H., Benlalli A., Zhou Q., Biswas A., EKİCİ M., Alzahrani A. K. , Xu S., Belic M. R.
RESULTS IN PHYSICS, cilt.26, 2021 (SCI İndekslerine Giren Dergi)
- VIII. **Conservation Laws for Solitons in Magneto-optic Waveguides with Anti-cubic and Generalized Anti-cubic Nonlinearities**
Biswas A., Kara A. H. , EKİCİ M., Zayed E. M. E. , Alzahrani A. K. , Belic M. R.

REGULAR & CHAOTIC DYNAMICS, cilt.26, sa.4, ss.456-461, 2021 (SCI İndekslerine Giren Dergi)

- IX. **Optical solitons and bifurcation analysis in fiber Bragg gratings with Lie symmetry and Kudryashov's approach**
Malik S., Kumar S., Biswas A., EKİCİ M., Dakova A., Alzahrani A. K. , Belic M. R.
NONLINEAR DYNAMICS, cilt.105, sa.1, ss.735-751, 2021 (SCI İndekslerine Giren Dergi)
- X. **Modeling interaction of ultrashort pulses with ENZ materials**
Elloh C., Edah G., Ayela A., Biswas A., EKİCİ M., Alzahrani A. K. , Belic M. R.
CHINESE JOURNAL OF PHYSICS, cilt.71, ss.492-505, 2021 (SCI İndekslerine Giren Dergi)
- XI. **Stationary optical solitons with nonlinear chromatic dispersion and generalized temporal evolution by extended trial function approach**
Sucu N., EKİCİ M., Biswas A.
CHAOS SOLITONS & FRACTALS, cilt.147, 2021 (SCI İndekslerine Giren Dergi)
- XII. **Pure-Cubic Optical Soliton Perturbation with Complex Ginzburg-Landau Equation Having a Dozen Nonlinear Refractive Index Structures**
Zayed E. M. E. , Alngar M. E. M. , Biswas A., EKİCİ M., Khan S., Alshomrani A. S.
JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS, cilt.66, sa.5, ss.481-544, 2021 (SCI İndekslerine Giren Dergi)
- XIII. **Optical soliton perturbation in magneto-optic waveguides by extended G'/G -expansion**
Koç E., EKİCİ M., Biswas A.
Optical and Quantum Electronics, cilt.53, sa.5, 2021 (SCI Expanded İndekslerine Giren Dergi)
- XIV. **Chirped super-Gaussian and super-sech pulse perturbation of nonlinear Schrodinger's equation with quadratic-cubic nonlinearity by variational principle**
Ayela A. M. , Edah G., Elloh C., Biswas A., EKİCİ M., Alzahrani A. K. , Belic M. R.
PHYSICS LETTERS A, cilt.396, 2021 (SCI İndekslerine Giren Dergi)
- XV. **Optical soliton perturbation with dual forms of simple equation approach: A transparent comparison**
Darwish A., Abo El-Dahab E., Ahmed H., Arnous A. H. , Ahmed M. S. , Biswas A., EKİCİ M., Khan S., Alzahrani A. K. , Belic M. R.
OPTIK, cilt.231, 2021 (SCI İndekslerine Giren Dergi)
- XVI. **Optical soliton polarization with Lakshmanan-Porsezian-Daniel model by unified approach**
Ullah M. S. , Harun-Or-Roshid H., Ali M. Z. , Biswas A., EKİCİ M., Khan S., Moraru L., Alzahrani A. K. , Belic M. R.
RESULTS IN PHYSICS, cilt.22, 2021 (SCI İndekslerine Giren Dergi)
- XVII. **Solitons and conservation laws in magneto-optic waveguides with generalized Kudryashov's equation**
Zayed E. M. E. , Alngar M. E. M. , Biswas A., Kara A. H. , Asma M., EKİCİ M., Khan S., Alzahrani A. K. , Belic M. R.
CHINESE JOURNAL OF PHYSICS, cilt.69, ss.186-205, 2021 (SCI İndekslerine Giren Dergi)
- XVIII. **Highly dispersive optical solitons perturbation having Kudryashov's arbitrary form with sextic-power law refractive index and generalized non-local laws**
Nofal T. A. , Zayed E. M. E. , Alngar M. E. M. , Shohib R. M. A. , EKİCİ M.
OPTIK, cilt.228, 2021 (SCI İndekslerine Giren Dergi)
- XIX. **Optical solitons in birefringent fibers with quadratic-cubic nonlinearity by traveling waves and Adomian decomposition**
Asma M., Biswas A., EKİCİ M., Gonzalez-Gaxiola O., Alzahrani A. K. , Belic M. R.
OPTICAL AND QUANTUM ELECTRONICS, cilt.53, sa.3, 2021 (SCI İndekslerine Giren Dergi)
- XX. **Optical solitons and conservation laws associated with Kudryashov's sextic power-law nonlinearity of refractive index**
Zayed E. M. E. , Shohib R. M. A. , Alngar M. E. M. , Biswas A., EKİCİ M., Khan S., Alzahrani A. K. , Belic M. R.
UKRAINIAN JOURNAL OF PHYSICAL OPTICS, cilt.22, sa.1, ss.38-49, 2021 (SCI İndekslerine Giren Dergi)
- XXI. **Optical solitons and conservation laws of Kudryashov's equation with improved modified extended tanh-function**
Arnous A. H. , Biswas A., EKİCİ M., Alzahrani A. K. , Belic M. R.
OPTIK, cilt.225, 2021 (SCI İndekslerine Giren Dergi)

- XXII. **Cubic-quartic optical soliton perturbation and conservation laws with Lakshmanan-Porsezian-Daniel model: Undetermined coefficients**
Vega-Guzman J, Biswas A, Kara A. H. , Mahmood M, EKİCİ M, Alshehri H. M. , Belic M. R.
Journal of Nonlinear Optical Physics and Materials, 2021 (SCI Expanded İndekslerine Giren Dergi)
- XXIII. **Highly dispersive optical solitons in the nonlinear Schrodinger's equation having polynomial law of the refractive index change**
Zayed E. M. E. , Alngar M. E. M. , El-Horbaty M. M. , Biswas A, Ekici M, Zhou Q, Khan S, Mallawi F, Belic M. R.
INDIAN JOURNAL OF PHYSICS, cilt.95, sa.1, ss.109-119, 2021 (SCI İndekslerine Giren Dergi)
- XXIV. **Cubic-Quartic Optical Solitons with Differential Group Delay for Kudryashov's Model by Extended Trial Function**
Biswas A, SÖNMEZOĞLU A., EKİCİ M., Alzahrani A. K. , Belic M. R.
JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS, cilt.65, sa.12, ss.1384-1398, 2020 (SCI İndekslerine Giren Dergi)
- XXV. **Pure-cubic optical soliton perturbation with full nonlinearity by unified Riccati equation expansion**
Zayed E. M. E. , Alngar M. E. M. , Biswas A, Asma M., EKİCİ M., Alzahrani A. K. , Belic M. R.
OPTIK, cilt.223, 2020 (SCI İndekslerine Giren Dergi)
- XXVI. **Optical soliton perturbation with exotic forms of nonlinear refractive index**
Jawad A. J. M. , Abu-AlShaer M. J. , Zayed E. M. E. , Alngar M. E. M. , Biswas A, EKİCİ M., Alzahrani A. K. , Belic M. R.
OPTIK, cilt.223, 2020 (SCI İndekslerine Giren Dergi)
- XXVII. **A pen-picture of solitons and conservation laws in magneto-optic waveguides having quadratic-cubic law of nonlinear refractive index**
Asma M., Biswas A, Kara A. H. , Zayed E. M. E. , Guggilla P, Khan S, EKİCİ M., Alzahrani A. K. , Belic M. R.
OPTIK, cilt.223, 2020 (SCI İndekslerine Giren Dergi)
- XXVIII. **Solitons in magneto-optic waveguides with generalized anti-cubic nonlinearity**
Zayed E. M. E. , Alngar M. E. M. , El-Horbaty M. M. , Biswas A, Asma M., EKİCİ M., Alzahrani A. K. , Belic M. R.
OPTIK, cilt.223, 2020 (SCI İndekslerine Giren Dergi)
- XXIX. **Solitons and conservation laws in magneto-optic waveguides with polynomial law nonlinearity**
Zayed E. M. E. , El-Horbaty M. M. , Alngar M. E. M. , Biswas A, Kara A. H. , Moraru L, EKİCİ M., Alzahrani A. K. , Belic M. R.
OPTIK, cilt.223, 2020 (SCI İndekslerine Giren Dergi)
- XXX. **Chirped self-similar cnoidal waves and similaritons in an inhomogeneous optical medium with resonant nonlinearity**
Meradji S, Triki H, Zhou Q, Biswas A, EKİCİ M., Liu W.
CHAOS SOLITONS & FRACTALS, cilt.141, 2020 (SCI İndekslerine Giren Dergi)
- XXXI. **Cubic-quartic optical soliton perturbation and conservation laws with Kudryashov's law of refractive index**
Yildirim Y, Biswas A, Kara A. H. , EKİCİ M., Zayed E. M. E. , Alzahrani A. K. , Belic M. R.
PHYSICS LETTERS A, cilt.384, sa.34, 2020 (SCI İndekslerine Giren Dergi)
- XXXII. **Solitons and conservation laws in magneto-optic waveguides having parabolic-nonlocal law of refractive index**
Zayed E. M. , Alngar M. E. , ElHorbaty M. M. , Biswas A, Kara A. H. , EKİCİ M., Asma M., Alzahrani A. K. , Belic M. R.
PHYSICS LETTERS A, cilt.384, sa.31, 2020 (SCI İndekslerine Giren Dergi)
- XXXIII. **Pure-cubic optical soliton perturbation with full nonlinearity**
Yildirim Y, Biswas A, Asma M., Guggilla P, Khan S, EKİCİ M., Alzahrani A. K. , Belic M. R.
OPTIK, cilt.222, 2020 (SCI İndekslerine Giren Dergi)
- XXXIV. **Optical soliton perturbation with Kudryashov's equation by semi-inverse variational principle**
Biswas A, Asma M., Guggilla P, Mullick L, Moraru L, EKİCİ M., Alzahrani A. K. , Belic M. R.
PHYSICS LETTERS A, cilt.384, sa.33, 2020 (SCI İndekslerine Giren Dergi)
- XXXV. **Solitons in magneto-optic waveguides with anti-cubic nonlinearity**
Zayed E. M. E. , Alngar M. E. M. , Shohib R. M. A. , Biswas A, EKİCİ M., Alzahrani A. K. , Belic M. R.
OPTIK, cilt.222, 2020 (SCI İndekslerine Giren Dergi)

- XXXVI. **Optical solitons in birefringent fibers with four-wave mixing by extended trial equation method**
Biswas A., Ekici M., Sonmezoglu A., Zhou Q., Moshokoa S. P., Belic M.
Scientia Iranica, cilt.27, sa.6 D, ss.3035-3052, 2020 (SCI Expanded İndekslerine Giren Dergi)
- XXXVII. **Solitons in magneto-optic waveguides with parabolic law nonlinearity**
Zayed E. M. E., Alngar M. E. M., El-Horbaty M. M., Biswas A., Guggilla P., EKİCİ M., Alzahrani A. K., Belic M. R.
OPTIK, cilt.222, 2020 (SCI İndekslerine Giren Dergi)
- XXXVIII. **Chirped and Chirp-Free Optical Solitons in Fiber Bragg Gratings with Kudryashov's Model in Presence of Dispersive Reflectivity**
Zayed E. M. E., Alngar M. E. M., Biswas A., Ekici M., Alzahrani A. K., Belic M. R.
JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS, cilt.65, sa.11, ss.1267-1287, 2020 (SCI İndekslerine Giren Dergi)
- XXXIX. **Solitons in magneto-optic waveguides with Kudryashov's law of refractive index**
Zayed E. M. E., Alngar M. E. M., Biswas A., Asma M., EKİCİ M., Alzahrani A. K., Belic M. R.
CHAOS SOLITONS & FRACTALS, cilt.140, 2020 (SCI İndekslerine Giren Dergi)
- XL. **Optical solitons and conservation laws with generalized Kudryashov's law of refractive index**
Zayed E. M. E., Alngar M. E. M., Biswas A., Asma M., EKİCİ M., Alzahrani A. K., Belic M. R.
CHAOS SOLITONS & FRACTALS, cilt.139, 2020 (SCI İndekslerine Giren Dergi)
- XLI. **Optical soliton perturbation with Chen-Lee-Liu equation**
Yildirim Y., Biswas A., Asma M., EKİCİ M., Ntsime B. P., Zayed E. M. E., Moshokoa S. P., Alzahrani A. K., Belic M. R.
OPTIK, cilt.220, 2020 (SCI İndekslerine Giren Dergi)
- XLII. **Soliton perturbation and conservation laws in magneto-optic waveguides with parabolic law nonlinearity**
Biswas A., Asma M., Kara A. H., EKİCİ M., Zayed E. M. E., Alzahrani A. K., Belic M. R.
OPTIK, cilt.220, 2020 (SCI İndekslerine Giren Dergi)
- XLIII. **Highly dispersive optical solitons in birefringent fibers with four forms of nonlinear refractive index by three prolific integration schemes**
Yildirim Y., Biswas A., EKİCİ M., Zayed E. M. E., Khan S., Moraru L., Alzahrani A. K., Belic M. R.
OPTIK, cilt.220, 2020 (SCI İndekslerine Giren Dergi)
- XLIV. **Optical solitons with differential group delay for Kudryashov's model by the auxiliary equation mapping method**
Zayed E. M. E., Shohib R. M. A., Biswas A., EKİCİ M., Moraru L., Alzahrani A. K., Belic M. R.
CHINESE JOURNAL OF PHYSICS, cilt.67, ss.631-645, 2020 (SCI İndekslerine Giren Dergi)
- XLV. **Optical solitons with Sasa-Satsuma equation**
Yildirim Y., Biswas A., Asma M., EKİCİ M., Triki H., Zayed E. M. E., Alzahrani A. K., Belic M. R.
OPTIK, cilt.219, 2020 (SCI İndekslerine Giren Dergi)
- XLVI. **Cubic-quartic optical solitons with Kudryashov's law of refractive index by F-expansions schemes**
Genc G., EKİCİ M., Biswas A., Belic M. R.
RESULTS IN PHYSICS, cilt.18, 2020 (SCI İndekslerine Giren Dergi)
- XLVII. **Solitons in magneto-optic waveguides with quadratic-cubic nonlinearity**
Zayed E. M. E., Shohib R. M. A., El-Horbaty M. M., Biswas A., Asma M., EKİCİ M., Alzahrani A. K., Belic M. R.
PHYSICS LETTERS A, cilt.384, sa.25, 2020 (SCI İndekslerine Giren Dergi)
- XLVIII. **Stationary optical solitons with nonlinear chromatic dispersion having quadratic-cubic law of refractive index**
Adem A. R., EKİCİ M., Biswas A., Asma M., Zayed E. M. E., Alzahrani A. K., Belic M. R.
PHYSICS LETTERS A, cilt.384, sa.25, 2020 (SCI İndekslerine Giren Dergi)
- XLIX. **Cubic-quartic solitons in couplers with optical metamaterials having power law of refractive index**
Zayed E. M. E., Alngar M. E. M., Shohib R. M. A., Biswas A., EKİCİ M., Alshehri H. M., Belic M. R.
JOURNAL OF NONLINEAR OPTICAL PHYSICS & MATERIALS, cilt.29, sa.03N04, 2020 (SCI İndekslerine Giren Dergi)
- L. **Solitons in fiber Bragg gratings with cubic-quartic dispersive reflectivity having Kerr law of nonlinear refractive index**
Zayed E. M. E., Alngar M. E. M., Biswas A., EKİCİ M., Alzahrani A. K., Belic M. R.

- LI. **Stationary optical solitons with Sasa-Satsuma equation having nonlinear chromatic dispersion**
Adem A. R. , Ntsime B. P. , Biswas A., Asma M., EKİCİ M., Moshokoa S. P. , Alzahrani A. K. , Belic M. R.
PHYSICS LETTERS A, cilt.384, sa.27, 2020 (SCI İndekslerine Giren Dergi)
- LII. **Solitons in magneto-optic waveguides with dual-power law nonlinearity**
Zayed E. M. E. , Shohib R. M. A. , Alngar M. E. M. , Biswas A., Asma M., EKİCİ M., Moshokoa S. P. , Alzahrani A. K. , Belic M. R.
PHYSICS LETTERS A, cilt.384, sa.27, 2020 (SCI İndekslerine Giren Dergi)
- LIII. **Optical solitons with Kudryashov's model by a range of integration norms**
Yildirim Y., Biswas A., EKİCİ M., Gonzalez-Gaxiola O., Khan S., Triki H., Moraru L., Alzahrani A. K. , Belic M. R.
CHINESE JOURNAL OF PHYSICS, cilt.66, ss.660-672, 2020 (SCI İndekslerine Giren Dergi)
- LIV. **Optical solitons in fiber Bragg gratings having Kerr law of refractive index with extended Kudryashov's method and new extended auxiliary equation approach**
Zayed E. M. E. , Alngar M. E. M. , El-Horbaty M., Biswas A., Alshomrani A. S. , Khan S., EKİCİ M., Triki H.
CHINESE JOURNAL OF PHYSICS, cilt.66, ss.187-205, 2020 (SCI İndekslerine Giren Dergi)
- LV. **Dark, singular and straddled optical solitons in birefringent fibers with generalized anti-cubic nonlinearity**
Zayed E. M. E. , Alngar M. E. M. , Biswas A., EKİCİ M., Moraru L., Alzahrani A. K. , Belic M. R.
PHYSICS LETTERS A, cilt.384, sa.20, 2020 (SCI İndekslerine Giren Dergi)
- LVI. **Optical solitons and other solutions to Kudryashov's equation with three innovative integration norms**
Zayed E. M. E. , Shohib R. M. A. , Biswas A., EKİCİ M., Triki H., Alzahrani A. K. , Belic M. R.
OPTIK, cilt.211, 2020 (SCI İndekslerine Giren Dergi)
- LVII. **Optical soliton perturbation with polynomial and triple-power laws of refractive index by semi-inverse variational principle**
Kohl R. W. , Biswas A., Zhou Q., EKİCİ M., Alzahrani A. K. , Belic M. R.
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- LVIII. **Optical solitons with complex Ginzburg-Landau equation having a plethora of nonlinear forms with a couple of improved integration norms**
Zayed E. M. E. , Alngar M. E. M. , El-Horbaty M., Biswas A., Alshomrani A. S. , EKİCİ M., Yildirim Y., Belic M. R.
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- LIX. **Optical solitons with fiber Bragg gratings and dispersive reflectivity having parabolic-nonlocal combo nonlinearity via three prolific integration architectures**
Zayed E. M. E. , Shohib R. M. A. , Biswas A., EKİCİ M., Triki H., Alzahrani A. K. , Belic M. R.
OPTIK, cilt.208, 2020 (SCI İndekslerine Giren Dergi)
- LX. **Optical solitons in birefringent fibers for Radhakrishnan-Kundu-Lakshmanan equation with five prolific integration norms**
Yildirim Y., Biswas A., EKİCİ M., Triki H., Gonzalez-Gaxiola O., Alzahrani A. K. , Belic M. R.
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- LXI. **Exhibit of highly dispersive optical solitons in birefringent fibers with four forms of nonlinear refractive index by exp-function expansion**
Yildirim Y., Biswas A., Guggilla P., Gonzalez-Gaxiola O., EKİCİ M., Alzahrani A. K. , Belic M. R.
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- LXII. **Optical solitons with differential group delay for complex Ginzburg-Landau equation**
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- LXIII. **Cubic-quartic optical solitons in birefringent fibers with four forms of nonlinear refractive index by exp-function expansion**
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- LXIV. **Highly dispersive optical soliton perturbation with quadratic-cubic refractive index by semi-inverse**

variational principle

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- LXV. **Chirped super-Gaussian and super-sech pulse parameter dynamics with DWDM topology by variational principle**
Ayela A. M. , Edah G., Biswas A., EKİCİ M., Alzahrani A. K. , Belic M. R.
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- LXVI. **Optical solitons with Kudryashov's equation by extended trial function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Alshomrani A. S. , Belic M. R.
OPTIK, cilt.202, 2020 (SCI İndekslerine Giren Dergi)
- LXVII. **Conservation laws for optical solitons with polynomial and triple-power laws of refractive index**
Biswas A., EKİCİ M., Zhou Q., Alshomrani A. S. , Belic M. R.
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- LXVIII. **Sequel to highly dispersive optical soliton perturbation with cubic-quintic-septic refractive index by semi-inverse variational principle**
Kohl R. W. , Biswas A., EKİCİ M., Zhou Q., Khan S., Alshomrani A. S. , Belic M. R.
OPTIK, cilt.203, 2020 (SCI İndekslerine Giren Dergi)
- LXIX. **Optical solitons and conservation laws of Kudryashov's equation using undetermined coefficients**
Biswas A., Vega-Guzman J., EKİCİ M., Zhou Q., Triki H., Alshomrani A. S. , Belic M. R.
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- LXX. **Dispersive optical dromions and domain walls with a few golden integration formulae**
Zayed E. M. E. , Shohib R. M. A. , El-Horbaty M. M. , Biswas A., EKİCİ M., Zhou Q., Khan S., Triki H., Alshomrani A. S. , Belic M. R.
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- LXXI. **Chirped and chirp-free optical solitons in fiber Bragg gratings having dispersive reflectivity with polynomial form of nonlinearity using sub-ODE approach**
Zayed E. M. E. , Alngar M. E. M. , Biswas A., EKİCİ M., Triki H., Alzahrani A. K. , Belic M. R.
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- LXXII. **Optical solitons in birefringent fibers with Lakshmanan-Porsezian-Daniel model by the aid of a few insightful algorithms**
Zayed E. M. E. , Shohib R. M. A. , El-Horbaty M. M. , Biswas A., EKİCİ M., Alshomrani A. S. , Majid F. B. , Zhou Q., Belic M. R.
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- LXXIII. **Optical solitons in birefringent fibers having anti-cubic nonlinearity with a few prolific integration algorithms**
Zayed E. M. E. , Alngar M. E. M. , El-Horbaty M. M. , Biswas A., EKİCİ M., Alshomrani A. S. , Khan S., Zhou Q., Belic M. R.
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- LXXIV. **Conservation laws for highly dispersive optical solitons**
Biswas A., Kara A. H. , Alshomrani A. S. , EKİCİ M., Zhou Q., Belic M. R.
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- LXXV. **Dispersive solitons in optical fibers and DWDM networks with Schrodinger-Hirota equation**
Zayed E. M. E. , Shohib R. M. A. , Biswas A., EKİCİ M., Alshomrani A. S. , Khan S., Zhou Q., Belic M. R.
OPTIK, cilt.199, 2019 (SCI İndekslerine Giren Dergi)
- LXXVI. **Optical solitons with Kudryashov's equation by F-expansion**
Biswas A., SÖNMEZOĞLU A., EKİCİ M., Alshomrani A. S. , Belic M. R.
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- LXXVII. **Highly dispersive optical soliton perturbation with Kerr law by semi-inverse variational principle**
Kohl R. W. , Biswas A., EKİCİ M., Zhou Q., Khan S., Alshomrani A. S. , Belic M. R.
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- LXXVIII. **Optical solitons with nonlocal-parabolic combo nonlinearity by Lie symmetry analysis coupled with modified G'/G-expansion**

- Bansal A, Biswas A, Alshomrani A. S. , EKİCİ M., Zhou Q., Belic M. R.
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- LXXX. **Optical solitons with complex Ginzburg-Landau equation for two nonlinear forms using F-expansion**
Das A, Biswas A, EKİCİ M., Zhou Q., Alshomrani A. S. , Belic M. R.
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- LXXXI. **Optical solitons in fiber Bragg gratings with dispersive reflectivity for parabolic-nonlocal combo nonlinearity by extended trial function**
Biswas A, SÖNMEZOĞLU A., EKİCİ M., Alshomrani A. S. , Belic M. R.
OPTIK, cilt.195, 2019 (SCI İndekslerine Giren Dergi)
- LXXXII. **Optical solitons in fiber Bragg gratings with dispersive reflectivity for cubic-quintic-septic nonlinearity by extended trial function**
Biswas A, SÖNMEZOĞLU A., EKİCİ M., Alshomrani A. S. , Belic M. R.
OPTIK, cilt.194, 2019 (SCI İndekslerine Giren Dergi)
- LXXXIII. **Optical solitons in birefringent fibers with Lakshmanan-Porsezian-Daniel model by modified simple equation**
El-Sheikh M. M. A. , Ahmed H. M. , Arnous A. H. , Rabie W. B. , Biswas A, Alshomrani A. S. , EKİCİ M., Zhou Q., Belic M. R.
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- LXXXIV. **Highly dispersive singular optical solitons having Kerr law nonlinearity by Jacobi's elliptic cs function expansion**
Biswas A, SÖNMEZOĞLU A., EKİCİ M., Alshomrani A. S.
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- LXXXV. **Highly dispersive singular optical solitons with Kerr law nonlinearity by Jacobi's elliptic ds function expansion**
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- LXXXVI. **Optical solitons having anti-cubic nonlinearity with two integration architectures**
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- XC. **Highly dispersive optical solitons in absence of self-phase modulation by F-expansion**
Biswas A, EKİCİ M., SÖNMEZOĞLU A., Alshomrani A. S.
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- XCI. **W-shaped and bright optical solitons in negative indexed materials**
Triki H., Bensalem C., Biswas A, Zhou Q., EKİCİ M., Moshokoa S. R. , Belic M.
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- XCII. **Highly dispersive optical solitons with undetermined coefficients**
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- XCIV. **Highly dispersive optical solitons with quadratic-cubic law by F-expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
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- XCv. **Dromion-like soliton interactions for nonlinear Schrodinger equation with variable coefficients in inhomogeneous optical fibers**
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- XCVI. **Solitons in optical fiber Bragg gratings with dispersive reflectivity by extended trial function method**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
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- XCvII. **Optical solitons for Lakshmanan-Porsezian-Daniel model by Riccati equation approach**
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- XCvIII. **Highly dispersive optical solitons with cubic-quintic-septic law by F-expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
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- XCIX. **Optical solitons in (2+1)-Dimensions with Kundu-Mukherjee-Naskar equation by extended trial function scheme**
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- C. **Optical solitons in birefringent fibers with four-wave mixing for quadratic-cubic nonlinearity by F-expansion**
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- CI. **Resonant optical solitons with fractional temporal evolution by modified extended direct algebraic method**
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- CII. **Chirped and chirp-free optical solitons with generalized anti-cubic nonlinearity by extended trial function scheme**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M.
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- CIV. **Optical solitons in fiber Bragg gratings with dispersive reflectivity for quadratic cubic nonlinearity by extended trial function method**
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- CV. **Optical solitons having anti-cubic nonlinearity with strategically sound integration architectures**
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- CVI. **Bright soliton interactions in a (2+1)-dimensional fourth-order variable-coefficient nonlinear Schrodinger equation for the Heisenberg ferromagnetic spin chain**

- Yang C., Zhou Q., Triki H., Mirzazadeh M., EKİCİ M., Liu W., Biswas A., Belic M.
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- CVIII. **Optical solitons and other solutions with anti-cubic nonlinearity by Lie symmetry analysis and additional integration architectures**
Kumar S., Biswas A., EKİCİ M., Zhou Q., Moshokoa S. P. , Belic M. R.
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- CX. **Optical solitons in birefringent fibers with Kundu-Eckhaus equation**
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- CXI. **STUDY ON PERIODIC INTERACTIONS OF OPTICAL SOLITONS IN DISPERSIVE OPTICAL FIBERS**
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- CXIII. **Solitons in nonlinear directional couplers with optical metamaterials by $\exp(-\Phi(\xi))$ -expansion**
Arshed S., Biswas A., EKİCİ M., Khan S., Zhou Q., Moshokoa S. P. , Alfiras M., Belic M.
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- CXIV. **Optical solitons in fiber Bragg gratings with dispersive reflectivity for parabolic law nonlinearity by extended trial function method**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
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Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
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- CXVII. **Exact chirped singular soliton solutions of Triki-Biswas equation**
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- CXVIII. **Optical solitons for higher-order nonlinear Schrodinger's equation with three exotic integration architectures**
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- CXIX. **Interaction properties of solitonics in inhomogeneous optical fibers**
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- CXXI. **Cubic-quartic optical soliton perturbation by semi-inverse variational principle**

- Kohl R. W. , Biswas A., EKİCİ M., Zhou Q., Moshokoa S. P. , Belic M. R.
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- CXXII. **Highly dispersive optical solitons with kerr law nonlinearity by extended Jacobi's elliptic function expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
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Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
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- CXXIV. **Optical solitons in birefringent fibers with quadratic-cubic nonlinearity by extended Jacobi's elliptic function expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M.
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- CXXV. **Highly dispersive optical solitons with non-local nonlinearity by F-expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
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- CXXVI. **Highly dispersive optical solitons with Kerr law nonlinearity by exp-function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
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- CXXVII. **Optical solitons and conservation law in birefringent fibers with Kundu-Eckhaus equation by extended trial function method**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Kara A. H.
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- CXXVIII. **Highly dispersive optical solitons in absence of self-phase modulation by exp-function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
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- CXXIX. **Highly dispersive optical solitons with non-local nonlinearity by exp-function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
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- CXXX. **Highly dispersive optical solitons in absence of self-phase modulation by Jacobi's elliptic function expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.189, ss.109-120, 2019 (SCI İndekslerine Giren Dergi)
- CXXXI. **Optical solitons in fiber Bragg gratings with dispersive reflectivity for parabolic law nonlinearity using undetermined coefficients**
Biswas A., Vega-Guzman J., Mahmood M. F. , EKİCİ M., Zhou Q., Moshokoa S. P. , Belic M. R.
OPTIK, cilt.185, ss.39-44, 2019 (SCI İndekslerine Giren Dergi)
- CXXXII. **Oblique resonant optical solitons with Kerr and parabolic law nonlinearities and fractional temporal evolution by generalized exp (-Phi(xi))-expansion**
Ferdous F., Hafez M. G. , Biswas A., EKİCİ M., Zhou Q., Alfiras M., Moshokoa S. P. , Belic M.
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- CXXXIII. **Highly dispersive optical solitons with quadratic-cubic law by exp-function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
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