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Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2011 - 2016

Postgraduate, Aydın Adnan Menderes University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2008 - 2010

Undergraduate, Celâl Bayar Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 2004 - 2008

Foreign Languages

English, B2 Upper Intermediate

Dissertations

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

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

Academic Titles / Tasks

Lecturer, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2011 - 2017

Courses

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

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

UZMANLIK ALAN DERSİ-I, Postgraduate, 2017 - 2018

SONLU BOYUTLU LİNEER OBJELERİN KONTROLÜNE GİRİŞ II, Postgraduate, 2017 - 2018

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

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

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

MATEMATİK II, Undergraduate, 2017 - 2018

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

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

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

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

DAĞILMIŞ PARAMETRELİ SİSTEMLERİN KONTROLLÜ METODLARI II, Postgraduate, 2016 - 2017, 2017 - 2018

DAĞILMIŞ PARAMETRELİ SİSTEMLERİN KONTROLLÜ METODLARI, Postgraduate, 2016 - 2017, 2017 - 2018

MATEMATİK I, Undergraduate, 2017 - 2018

UZMANLIK ALAN DERSİ II, Postgraduate, 2017 - 2018
MÜHENDİSLİK MATEMATİĞİ I, Undergraduate, 2016 - 2017
MÜHENDİSLİK MATEMATİĞİ II, Undergraduate, 2016 - 2017
DİFFERANSİYEL DENKLEMLER, Undergraduate, 2015 - 2016
MÜHENDİSLİK MATEMATİĞİ, Undergraduate, 2015 - 2016
MÜHENDİSLİK MATEMATİĞİ-1, Undergraduate, 2015 - 2016
DİFFERANSİYEL DENKLEMLER, Undergraduate, 2015 - 2016

Advising Theses

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

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- 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, vol.416, 2021 (Journal Indexed in SCI)
- 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, vol.30, 2021 (Journal Indexed in SCI)
- III. **Stationary optical solitons with Kudryashov's laws of refractive index**
EKİCİ M., SÖNMEZOĞLU A., Biswas A.
CHAOS SOLITONS & FRACTALS, vol.151, 2021 (Journal Indexed in SCI)
- 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, vol.53, no.10, 2021 (Journal Indexed in SCI)
- 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, vol.150, 2021 (Journal Indexed in SCI)
- 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, vol.27, 2021 (Journal Indexed in SCI)
- 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, vol.26, 2021 (Journal Indexed in SCI)
- 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, vol.26, no.4, pp.456-461, 2021 (Journal Indexed in SCI)

- 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, vol.105, no.1, pp.735-751, 2021 (Journal Indexed in SCI)
- 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, vol.71, pp.492-505, 2021 (Journal Indexed in SCI)
- 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, vol.147, 2021 (Journal Indexed in SCI)
- 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, vol.66, no.5, pp.481-544, 2021 (Journal Indexed in SCI)
- XIII. **Optical soliton perturbation in magneto-optic waveguides by extended G'/G -expansion**
Koç E., EKİCİ M., Biswas A.
Optical and Quantum Electronics, vol.53, no.5, 2021 (Journal Indexed in SCI Expanded)
- 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, vol.396, 2021 (Journal Indexed in SCI)
- 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, vol.231, 2021 (Journal Indexed in SCI)
- 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, vol.22, 2021 (Journal Indexed in SCI)
- 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, vol.69, pp.186-205, 2021 (Journal Indexed in SCI)
- 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, vol.228, 2021 (Journal Indexed in SCI)
- 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, vol.53, no.3, 2021 (Journal Indexed in SCI)
- 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, vol.22, no.1, pp.38-49, 2021 (Journal Indexed in SCI)
- 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, vol.225, 2021 (Journal Indexed in SCI)

- 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 (Journal Indexed in SCI Expanded)
- 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, vol.95, no.1, pp.109-119, 2021 (Journal Indexed in SCI)
- 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, vol.65, no.12, pp.1384-1398, 2020 (Journal Indexed in SCI)
- 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, vol.223, 2020 (Journal Indexed in SCI)
- 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, vol.223, 2020 (Journal Indexed in SCI)
- 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, vol.223, 2020 (Journal Indexed in SCI)
- 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, vol.223, 2020 (Journal Indexed in SCI)
- 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, vol.223, 2020 (Journal Indexed in SCI)
- 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, vol.141, 2020 (Journal Indexed in SCI)
- 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, vol.384, no.34, 2020 (Journal Indexed in SCI)
- 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, vol.384, no.31, 2020 (Journal Indexed in SCI)
- 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, vol.222, 2020 (Journal Indexed in SCI)
- 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, vol.384, no.33, 2020 (Journal Indexed in SCI)
- 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, vol.222, 2020 (Journal Indexed in SCI)

- 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, vol.27, no.6 D, pp.3035-3052, 2020 (Journal Indexed in SCI Expanded)
- 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, vol.222, 2020 (Journal Indexed in SCI)
- 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, vol.65, no.11, pp.1267-1287, 2020 (Journal Indexed in SCI)
- 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, vol.140, 2020 (Journal Indexed in SCI)
- 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, vol.139, 2020 (Journal Indexed in SCI)
- 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, vol.220, 2020 (Journal Indexed in SCI)
- 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, vol.220, 2020 (Journal Indexed in SCI)
- 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, vol.220, 2020 (Journal Indexed in SCI)
- 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, vol.67, pp.631-645, 2020 (Journal Indexed in SCI)
- 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, vol.219, 2020 (Journal Indexed in SCI)
- 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, vol.18, 2020 (Journal Indexed in SCI)
- 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, vol.384, no.25, 2020 (Journal Indexed in SCI)
- 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, vol.384, no.25, 2020 (Journal Indexed in SCI)
- 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, vol.29, no.03N04, 2020 (Journal Indexed in SCI)
- 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.

JOURNAL OF NONLINEAR OPTICAL PHYSICS & MATERIALS, vol.29, no.03N04, 2020 (Journal Indexed in SCI)

- L.I. **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, vol.384, no.27, 2020 (Journal Indexed in SCI)
- L.II. **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, vol.384, no.27, 2020 (Journal Indexed in SCI)
- L.III. **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, vol.66, pp.660-672, 2020 (Journal Indexed in SCI)
- L.IV. **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, vol.66, pp.187-205, 2020 (Journal Indexed in SCI)
- L.V. **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, vol.384, no.20, 2020 (Journal Indexed in SCI)
- L.VI. **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, vol.211, 2020 (Journal Indexed in SCI)
- L.VII. **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.
CHAOS SOLITONS & FRACTALS, vol.135, 2020 (Journal Indexed in SCI)
- L.VIII. **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.
OPTIK, vol.207, 2020 (Journal Indexed in SCI)
- L.IX. **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, vol.208, 2020 (Journal Indexed in SCI)
- L.X. **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.
OPTIK, vol.208, 2020 (Journal Indexed in SCI)
- L.XI. **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.
OPTIK, vol.208, 2020 (Journal Indexed in SCI)
- L.XII. **Optical solitons with differential group delay for complex Ginzburg-Landau equation**
Yildirim Y., Biswas A., Jawad A. J. M. , EKİCİ M., Zhou Q., Alzahrani A. K. , Belic M. R.
RESULTS IN PHYSICS, vol.16, 2020 (Journal Indexed in SCI)
- L.XIII. **Cubic-quartic optical solitons in birefringent fibers with four forms of nonlinear refractive index by exp-function expansion**
Yildirim Y., Biswas A., Jawad A. J. M. , EKİCİ M., Zhou Q., Khan S., Alzahrani A. K. , Belic M. R.
RESULTS IN PHYSICS, vol.16, 2020 (Journal Indexed in SCI)
- L.XIV. **Highly dispersive optical soliton perturbation with quadratic-cubic refractive index by semi-inverse**

variational principle

Kohl R. W. , Biswas A., EKİCİ M., Yildirim Y., Triki H., Alshomrani A. S. , Belic M. R.
OPTIK, vol.206, 2020 (Journal Indexed in SCI)

- 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.
OPTIK, vol.206, 2020 (Journal Indexed in SCI)
- LXVI. **Optical solitons with Kudryashov's equation by extended trial function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Alshomrani A. S. , Belic M. R.
OPTIK, vol.202, 2020 (Journal Indexed in SCI)
- 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.
OPTIK, vol.202, 2020 (Journal Indexed in SCI)
- 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, vol.203, 2020 (Journal Indexed in SCI)
- 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.
OPTIK, vol.202, 2020 (Journal Indexed in SCI)
- 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.
OPTIK, vol.202, 2020 (Journal Indexed in SCI)
- 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.
OPTIK, vol.204, 2020 (Journal Indexed in SCI)
- 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.
OPTIK, vol.200, 2020 (Journal Indexed in SCI)
- 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.
OPTIK, vol.200, 2020 (Journal Indexed in SCI)
- LXXIV. **Conservation laws for highly dispersive optical solitons**
Biswas A., Kara A. H. , Alshomrani A. S. , EKİCİ M., Zhou Q., Belic M. R.
OPTIK, vol.199, 2019 (Journal Indexed in SCI)
- 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, vol.199, 2019 (Journal Indexed in SCI)
- LXXVI. **Optical solitons with Kudryashov's equation by F-expansion**
Biswas A., SÖNMEZOĞLU A., EKİCİ M., Alshomrani A. S. , Belic M. R.
OPTIK, vol.199, 2019 (Journal Indexed in SCI)
- 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.
OPTIK, vol.199, 2019 (Journal Indexed in SCI)
- 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.
RESULTS IN PHYSICS, vol.15, 2019 (Journal Indexed in SCI)
- LXXIX. **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, vol.199, 2019 (Journal Indexed in SCI)
- 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.
CHINESE JOURNAL OF PHYSICS, vol.61, pp.255-261, 2019 (Journal Indexed in SCI)
- 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, vol.195, 2019 (Journal Indexed in SCI)
- 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, vol.194, 2019 (Journal Indexed in SCI)
- 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.
OPTIK, vol.192, 2019 (Journal Indexed in SCI)
- 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.
OPTIK, vol.192, 2019 (Journal Indexed in SCI)
- LXXXV. **Highly dispersive singular optical solitons with Kerr law nonlinearity by Jacobi's elliptic ds function expansion**
Biswas A, SÖNMEZOĞLU A., EKİCİ M., Alshomrani A. S. , Belic M. R.
OPTIK, vol.192, 2019 (Journal Indexed in SCI)
- LXXXVI. **Optical solitons having anti-cubic nonlinearity with two integration architectures**
Arnous A. H. , EKİCİ M., Biswas A, Alshomrani A. S. , Belic M. R.
CHINESE JOURNAL OF PHYSICS, vol.60, pp.659-664, 2019 (Journal Indexed in SCI)
- LXXXVII. **Propagation of chirped optical similaritons in inhomogeneous tapered centrosymmetric nonlinear waveguides doped with resonant impurities**
Triki H, Biswas A, Zhou Q, Liu W., EKİCİ M., Alshomrani A. S. , Belic M. R.
LASER PHYSICS, vol.29, no.8, 2019 (Journal Indexed in SCI)
- LXXXVIII. **Optical soliton perturbation with quadratic-cubic nonlinearity by mapping methods**
Krishnan E, Biswas A, Zhou Q, EKİCİ M., Alshomrani A. S. , Belic M.
CHINESE JOURNAL OF PHYSICS, vol.60, pp.632-637, 2019 (Journal Indexed in SCI)
- LXXXIX. **Self-similar solitons in optical waveguides with dual-power law refractive index**
Triki H, Biswas A, Alshomrani A. S. , Zhou Q, EKİCİ M., Belic M. R.
LASER PHYSICS, vol.29, no.7, 2019 (Journal Indexed in SCI)
- XC. **Highly dispersive optical solitons in absence of self-phase modulation by F-expansion**
Biswas A, EKİCİ M., SÖNMEZOĞLU A., Alshomrani A. S.
OPTIK, vol.187, pp.258-271, 2019 (Journal Indexed in SCI)
- 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.
CHAOS SOLITONS & FRACTALS, vol.123, pp.101-107, 2019 (Journal Indexed in SCI)
- XCII. **Highly dispersive optical solitons with undetermined coefficients**
Biswas A, Vega-Guzman J, Mahmood M. F. , Khan S, EKİCİ M., Zhou Q, Moshokoa S. P. , Belic M. R.

- OPTIK, vol.182, pp.890-896, 2019 (Journal Indexed in SCI)
- XCIII. **Suppressing internet bottleneck with fractional temporal evolution of cubic-quartic optical solitons**
 Das A., Biswas A., EKİCİ M., Khan S., Zhou Q., Moshokoa S. P.
 OPTIK, vol.182, pp.303-307, 2019 (Journal Indexed in SCI)
- XCIV. **Highly dispersive optical solitons with quadratic-cubic law by F-expansion**
 Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
 OPTIK, vol.182, pp.930-943, 2019 (Journal Indexed in SCI)
- XCv. **Dromion-like soliton interactions for nonlinear Schrodinger equation with variable coefficients in inhomogeneous optical fibers**
 Liu W., Zhang Y., Luan Z., Zhou Q., Mirzazadeh M., EKİCİ M., Biswas A.
 NONLINEAR DYNAMICS, vol.96, no.1, pp.729-736, 2019 (Journal Indexed in SCI)
- XCVI. **Solitons in optical fiber Bragg gratings with dispersive reflectivity by extended trial function method**
 Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
 OPTIK, vol.182, pp.88-94, 2019 (Journal Indexed in SCI)
- XCvII. **Optical solitons for Lakshmanan-Porsezian-Daniel model by Riccati equation approach**
 AlQarni A. A., Ebaid A., Alshaery A. A., Bakodah H. O., Biswas A., Khan S., EKİCİ M., Zhou Q., Moshokoa S. P., Belic M. R.
 OPTIK, vol.182, pp.922-929, 2019 (Journal Indexed in SCI)
- XCvIII. **Highly dispersive optical solitons with cubic-quintic-septic law by F-expansion**
 Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
 OPTIK, vol.182, pp.897-906, 2019 (Journal Indexed in SCI)
- XCIX. **Optical solitons in (2+1)-Dimensions with Kundu-Mukherjee-Naskar equation by extended trial function scheme**
 EKİCİ M., SÖNMEZOĞLU A., Biswas A., Belic M. R.
 CHINESE JOURNAL OF PHYSICS, vol.57, pp.72-77, 2019 (Journal Indexed in SCI)
- C. **Optical solitons in birefringent fibers with four-wave mixing for quadratic-cubic nonlinearity by F-expansion**
 Biswas A., EKİCİ M., SÖNMEZOĞLU A., Alfiras M.
 OPTIK, vol.178, pp.178-189, 2019 (Journal Indexed in SCI)
- CI. **Resonant optical solitons with fractional temporal evolution by modified extended direct algebraic method**
 Hubert M. B., Justin M., Betchewe G., Doka S. Y., Kofane T. C., Biswas A., Khan S., EKİCİ M., Moshokoa S. P., Belic M. R.
 OPTIK, vol.181, pp.1075-1079, 2019 (Journal Indexed in SCI)
- 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.
 OPTIK, vol.178, pp.636-644, 2019 (Journal Indexed in SCI)
- CIII. **Optical solitons in birefringent fibers with quadratic-cubic nonlinearity by extended trial function scheme**
 Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M.
 OPTIK, vol.176, pp.542-548, 2019 (Journal Indexed in SCI)
- CIV. **Optical solitons in fiber Bragg gratings with dispersive reflectivity for quadratic cubic nonlinearity by extended trial function method**
 Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
 OPTIK, vol.185, pp.50-56, 2019 (Journal Indexed in SCI)
- CV. **Optical solitons having anti-cubic nonlinearity with strategically sound integration architectures**
 Zayed E. M. E., Alngar M. E. M., El-Horbaty M., Biswas A., EKİCİ M., Triki H., Zhou Q., Moshokoa S. P., Belic M. R.
 OPTIK, vol.185, pp.57-70, 2019 (Journal Indexed in SCI)
- 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.
NONLINEAR DYNAMICS, vol.95, no.2, pp.983-994, 2019 (Journal Indexed in SCI)

- CVII. **Highly dispersive optical solitons with cubic-quintic-septic law by extended Jacobi's elliptic function expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, vol.183, pp.571-578, 2019 (Journal Indexed in SCI)
- 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.
OPTIK, vol.185, pp.30-38, 2019 (Journal Indexed in SCI)
- CIX. **Optical solitons in birefringent fibers with quadratic-cubic nonlinearity by extended G'/G -expansion scheme**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M.
OPTIK, vol.178, pp.59-65, 2019 (Journal Indexed in SCI)
- CX. **Optical solitons in birefringent fibers with Kundu-Eckhaus equation**
Biswas A., Arshed S., EKİCİ M., Zhou Q., Moshokoa S. P. , Alfiras M., Belic M.
OPTIK, vol.178, pp.550-556, 2019 (Journal Indexed in SCI)
- CXI. **STUDY ON PERIODIC INTERACTIONS OF OPTICAL SOLITONS IN DISPERSIVE OPTICAL FIBERS**
Wang S., Ma G., Zhang X., Mirzazadeh M., EKİCİ M., Zhou Q., Liu W.
ROMANIAN REPORTS IN PHYSICS, vol.71, no.1, 2019 (Journal Indexed in SCI)
- CXII. **Optical solitons in birefringent fibers having anti-cubic nonlinearity with exp-function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, vol.186, pp.363-368, 2019 (Journal Indexed in SCI)
- 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.
OPTIK, vol.179, pp.443-462, 2019 (Journal Indexed in SCI)
- 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.
OPTIK, vol.183, pp.595-601, 2019 (Journal Indexed in SCI)
- CXV. **Optical solitons in birefringent fibers having anti-cubic nonlinearity with extended trial function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, vol.185, pp.456-463, 2019 (Journal Indexed in SCI)
- CXVI. **Stable propagation of optical solitons in fiber lasers by using symbolic computation**
Li B., Zhao J., Pan A., Mirzazadeh M., EKİCİ M., Zhou Q., Liu W.
OPTIK, vol.178, pp.142-145, 2019 (Journal Indexed in SCI)
- CXVII. **Exact chirped singular soliton solutions of Triki-Biswas equation**
Zhou Q., EKİCİ M., SÖNMEZOĞLU A.
OPTIK, vol.181, pp.338-342, 2019 (Journal Indexed in SCI)
- CXVIII. **Optical solitons for higher-order nonlinear Schrodinger's equation with three exotic integration architectures**
Alphonse H., Hubert M. B. , Savaissou N., Jerome D., Justin M., Betchewe G., Doka S. Y. , Crepin K. T. , Khan S., Biswas A., et al.
OPTIK, vol.179, pp.861-866, 2019 (Journal Indexed in SCI)
- CXIX. **Interaction properties of solitonics in inhomogeneous optical fibers**
Liu W., Zhang Y., Triki H., Mirzazadeh M., EKİCİ M., Zhou Q., Biswas A., Belic M.
NONLINEAR DYNAMICS, vol.95, no.1, pp.557-563, 2019 (Journal Indexed in SCI)
- CXX. **Dispersive solitons in optical metamaterials having parabolic form of nonlinearity**
Hubert M. B. , Nestor S., Douvagai D., Betchewe G., Biswas A., Khan S., Doka S. Y. , Zhou Q., EKİCİ M., Belic M.
OPTIK, vol.179, pp.1009-1018, 2019 (Journal Indexed in SCI)
- 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.
OPTIK, vol.185, pp.45-49, 2019 (Journal Indexed in SCI)
- 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.
OPTIK, vol.183, pp.395-400, 2019 (Journal Indexed in SCI)
- CXXIII. **Highly dispersive optical solitons with cubic-quintic-septic law by It Check for exp-expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, vol.186, pp.321-325, 2019 (Journal Indexed in SCI)
- 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.
OPTIK, vol.178, pp.117-121, 2019 (Journal Indexed in SCI)
- CXXV. **Highly dispersive optical solitons with non-local nonlinearity by F-expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, vol.183, pp.1140-1150, 2019 (Journal Indexed in SCI)
- CXXVI. **Highly dispersive optical solitons with Kerr law nonlinearity by exp-function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, vol.185, pp.121-125, 2019 (Journal Indexed in SCI)
- 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.
OPTIK, vol.179, pp.471-478, 2019 (Journal Indexed in SCI)
- CXXVIII. **Highly dispersive optical solitons in absence of self-phase modulation by exp-function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, vol.186, pp.436-442, 2019 (Journal Indexed in SCI)
- CXXIX. **Highly dispersive optical solitons with non-local nonlinearity by exp-function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, vol.186, pp.288-292, 2019 (Journal Indexed in SCI)
- 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, vol.189, pp.109-120, 2019 (Journal Indexed in SCI)
- 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, vol.185, pp.39-44, 2019 (Journal Indexed in SCI)
- 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.
OPTIK, vol.178, pp.439-448, 2019 (Journal Indexed in SCI)
- CXXXIII. **Highly dispersive optical solitons with quadratic-cubic law by exp-function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, vol.186, pp.431-435, 2019 (Journal Indexed in SCI)
- CXXXIV. **Highly dispersive optical solitons with non-local nonlinearity by extended Jacobi's elliptic function expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, vol.184, pp.277-286, 2019 (Journal Indexed in SCI)
- CXXXV. **Optical solitons with Biswas-Arshed equation by extended trial function method**
EKİCİ M., SÖNMEZOĞLU A.
OPTIK, vol.177, pp.13-20, 2019 (Journal Indexed in SCI)

- CXXXVI. **Soliton solutions and conservation laws of a (3+1)-dimensional nonlinear evolution equation**
Ekici M., Sonmezoglu A., Adem A. R. , Zhou Q., Luan Z., Liu S., Mirzazadeh M., Liu W.
Acta Physica Polonica A, vol.135, no.3, pp.539-545, 2019 (Journal Indexed in SCI Expanded)
- CXXXVII. **Optical soliton perturbation with full nonlinearity by extended trial function method**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Arshed S., Belic M.
OPTICAL AND QUANTUM ELECTRONICS, vol.50, no.12, 2018 (Journal Indexed in SCI)
- CXXXVIII. **Optical solitons with quadratic nonlinearity by extended trial equation method**
EKİCİ M., Mirzazadeh M., SÖNMEZOĞLU A., Ullah M. Z. , Zhou Q., Asma M., Moshokoa S. P. , Biswas A., Belic M.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.20, pp.271-278, 2018 (Journal Indexed in SCI)
- CXXXIX. **Exact solutions of the perturbed modified KdV equation using the functional variable method**
Zhou Q., Pan A., Rezazadeh H., Mirzazadeh M., Moosavi S. S. , Eslami M., Ekici M., Liu W.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.20, no.5-6, pp.279-284, 2018 (Journal Indexed in SCI)
- CXL. **Solitons in optical metamaterials with anti-cubic nonlinearity**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Zhou Q., Alshomrani A. S. , Moshokoa S. P. , Belic M.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.133, no.5, 2018 (Journal Indexed in SCI)
- CXLI. **Optical soliton perturbation with spatio-temporal dispersion using modified simple equation method**
Arnous A. H. , Ullah M. Z. , Asma M., Moshokoa S. P. , Zhou Q., EKİCİ M., Mirzazadeh M., Biswas A.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.20, pp.118-125, 2018 (Journal Indexed in SCI)
- CXLII. **Optical soliton perturbation in magneto-optic waveguides**
Biswas A., Arnous A. H. , EKİCİ M., SÖNMEZOĞLU A., Seadawy A. R. , Zhou Q., Mahmood M. F. , Moshokoa S. P. , Belic M.
JOURNAL OF NONLINEAR OPTICAL PHYSICS & MATERIALS, vol.27, no.1, 2018 (Journal Indexed in SCI)
- CXLIII. **Dark and singular optical solitons with spatio-temporal dispersion by Kudryashov's method**
Zhou Q., Mirzazadeh M., EKİCİ M., Moshokoa S. P. , Biswas A., Ullah M. Z. , Belic M.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.20, pp.126-132, 2018 (Journal Indexed in SCI)
- CXLIV. **Analysis of optical solitons in nonlinear negative-indexed materials with anti-cubic nonlinearity**
EKİCİ M., SÖNMEZOĞLU A., Zhou Q., Moshokoa S. P. , Ullah M. Z. , Arnous A. H. , Biswas A., Belic M.
OPTICAL AND QUANTUM ELECTRONICS, vol.50, no.2, 2018 (Journal Indexed in SCI)
- CXLV. **Optical soliton perturbation for Gerdjikov-Ivanov equation by extended trial equation method**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Majid F. B. , Triki H., Zhou Q., Moshokoa S. P. , Belic M.
OPTIK, vol.158, pp.747-752, 2018 (Journal Indexed in SCI)
- CXLVI. **Dispersive optical solitons with DWDM technology using a couple of integration algorithms**
Biswas A., Mirzazadeh M., EKİCİ M., Triki H., Zhou Q., Moshokoa S. P. , Alshomrani A. S. , Ullah M. Z. , Belic M.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.20, pp.38-45, 2018 (Journal Indexed in SCI)
- CXLVII. **Optical solitons with differential group delay and dual-dispersion for Lakshmanan-Porsezian-Daniel model by extended trial function method**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Babatin M. M.
OPTIK, vol.170, pp.512-519, 2018 (Journal Indexed in SCI)
- CXLVIII. **Optical solitons in parabolic law medium with weak non-local nonlinearity by extended trial function method**
Biswa A., EKİCİ M., SÖNMEZOĞLU A., Mirzazadeh M., Zhou Q., Alshomrani A. S. , Moshokoa S. P. , Belic M.
OPTIK, vol.163, pp.56-61, 2018 (Journal Indexed in SCI)
- CXLIX. **Chirped solitons in optical metamaterials with parabolic law nonlinearity by extended trial function method**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Zhou Q., Moshokoa S. P. , Belic M.
OPTIK, vol.160, pp.92-99, 2018 (Journal Indexed in SCI)
- CL. **Optical soliton perturbation with Fokas-Lenells equation using three exotic and efficient integration schemes**
Biswas A., Rezazadeh H., Mirzazadeh M., Eslami M., EKİCİ M., Zhou Q., Moshokoa S. P. , Belic M.
OPTIK, vol.165, pp.288-294, 2018 (Journal Indexed in SCI)

- CLII. **Optical solitons for Gerdjikov-Ivanov model by extended trial equation scheme**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Triki H., Alshomrani A. S. , Zhou Q., Moshokoa S. P. , Belic M.
OPTIK, vol.157, pp.1241-1248, 2018 (Journal Indexed in SCI)
- CLIII. **Dispersive optical solitons with differential group delay and parabolic law nonlinearity by extended trial function method**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Babatin M. M.
OPTIK, vol.169, pp.403-415, 2018 (Journal Indexed in SCI)
- CLIV. **Optical solitons in DWDM system with modified simple equation method**
Zhou Q., Arnous A. H. , Moshokoa S. P. , Ullah M. Z. , EKİCİ M., Mirzazadeh M., Alshomrani A. S. , Biswas A., Belic M.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.20, pp.46-51, 2018 (Journal Indexed in SCI)
- CLV. **Periodic oscillations of dark solitons in nonlinear optics**
Yu W., EKİCİ M., Mirzazadeh M., Zhou Q., Liu W.
OPTIK, vol.165, pp.341-344, 2018 (Journal Indexed in SCI)
- CLVI. **Optical solitons with Lakshmanan-Porsezian-Daniel model by modified extended direct algebraic method**
Hubert M. B. , Betchewe G., Justin M., Doka S. Y. , Crepin K. T. , Biswas A., Zhou Q., Alshomrani A. S. , EKİCİ M., Moshokoa S. P. , et al.
OPTIK, vol.162, pp.228-236, 2018 (Journal Indexed in SCI)
- CLVII. **Exact solitons in optical metamaterials with quadratic-cubic nonlinearity using two integration approaches**
EKİCİ M.
OPTIK, vol.156, pp.351-355, 2018 (Journal Indexed in SCI)
- CLVIII. **Embedded solitons with $\chi^{(2)}$ and $\chi^{(3)}$ nonlinear susceptibilities by extended trial equation method**
SÖNMEZOĞLU A., EKİCİ M., Arnous A. H. , Zhou Q., Triki H., Moshokoa S. P. , Ullah M. Z. , Biswas A., Belic M.
OPTIK, vol.154, pp.1-9, 2018 (Journal Indexed in SCI)
- CLIX. **Optical solitons with differential group delay and weak non-local nonlinearity by extended trial function method**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Alqahtani R. T.
OPTIK, vol.166, pp.31-38, 2018 (Journal Indexed in SCI)
- CLX. **Sub-pico-second chirped optical solitons in mono-mode fibers with Kaup-Newell equation by extended trial function method**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Alqahtani R. T.
OPTIK, vol.168, pp.208-216, 2018 (Journal Indexed in SCI)
- CLXI. **Optical solitons with Radhakrishnan-Kundu-Lakshmanan equation by extended trial function scheme**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Alshomrani A. S.
OPTIK, vol.160, pp.415-427, 2018 (Journal Indexed in SCI)
- CLXII. **Sequel to stationary optical solitons with nonlinear group velocity dispersion by extended trial function scheme**
EKİCİ M., SÖNMEZOĞLU A., Biswas A., Belic M.
OPTIK, vol.172, pp.636-650, 2018 (Journal Indexed in SCI)
- CLXIII. **Optical soliton perturbation with full nonlinearity for Kundu-Eckhaus equation by extended trial function scheme**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Zhou Q., Moshokoa S. P. , Belic M.
OPTIK, vol.160, pp.17-23, 2018 (Journal Indexed in SCI)
- CLXIV. **Optical solitons in birefringent fibers for Lakshmanan-Porsezian-Daniel model by extended Jacobi's elliptic function expansion scheme**
EKİCİ M.
OPTIK, vol.172, pp.651-656, 2018 (Journal Indexed in SCI)
- CLXV. **Optical solitons in parabolic law medium with weak non-local nonlinearity using modified extended direct algebraic method**

- Hubert M. B. , Justin M., Betchewe G., Doka S. Y. , Biswas A., Zhou Q., Alshomrani A. S. , EKİCİ M., Moshokoa S. P. , Belic M.
OPTIK, vol.161, pp.180-186, 2018 (Journal Indexed in SCI)
- CLXV. **Gaussian solitary waves to Boussinesq equation with dual dispersion and logarithmic nonlinearity**
Biswas A., EKİCİ M., SÖNMEZOĞLU A.
NONLINEAR ANALYSIS-MODELLING AND CONTROL, vol.23, no.6, pp.942-950, 2018 (Journal Indexed in SCI)
- CLXVI. **Optical soliton perturbation with Fokas-Lenells model by Riccati equation approach**
Aljohani A. F. , El-Zahar E. R. , Ebaid A., EKİCİ M., Biswas A.
OPTIK, vol.172, pp.741-745, 2018 (Journal Indexed in SCI)
- CLXVII. **Optical solitons with Lakshmanan-Porsezian-Daniel model using a couple of integration schemes**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Triki H., Majid F. B. , Zhou Q., Moshokoa S. P. , Mirzazadeh M., Belic M.
OPTIK, vol.158, pp.705-711, 2018 (Journal Indexed in SCI)
- CLXVIII. **Dispersive optical solitons with differential group delay by extended trial equation method**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Triki H., Zhou Q., Moshokoa S. P. , Belic M.
OPTIK, vol.158, pp.790-798, 2018 (Journal Indexed in SCI)
- CLXIX. **Optical soliton perturbation with fractional temporal evolution by generalized Kudryashov's method**
Biswas A., SÖNMEZOĞLU A., EKİCİ M., Mirzazadeh M., Zhou Q., Moshokoa S. P. , Belic M.
OPTIK, vol.164, pp.303-310, 2018 (Journal Indexed in SCI)
- CLXX. **Chirped optical solitons of Chen-Lee-Liu equation by extended trial equation scheme**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Alshomrani A. S. , Zhou Q., Moshokoa S. P. , Belic M.
OPTIK, vol.156, pp.999-1006, 2018 (Journal Indexed in SCI)
- CLXXI. **Optical solitons in birefringent fibers with weak non-local nonlinearity and four-wave mixing by extended trial equation method**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Babatin M. M.
OPTIK, vol.166, pp.285-293, 2018 (Journal Indexed in SCI)
- CLXXII. **Soliton interactions for optical switching systems with symbolic computation**
Li B., Zhao J., Triki H., EKİCİ M., Mirzazadeh M., Zhou Q., Liu W.
OPTIK, vol.175, pp.177-180, 2018 (Journal Indexed in SCI)
- CLXXIII. **Dark-singular combo optical solitons with fractional complex Ginzburg-Landau equation**
Abdou M. A. , Soliman A. A. , Biswas A., EKİCİ M., Zhou Q., Moshokoa S. P.
OPTIK, vol.171, pp.463-467, 2018 (Journal Indexed in SCI)
- CLXXIV. **Optical network topology with DWDM technology for log law medium**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Zhou Q., Alshomrani A. S. , Moshokoa S. P. , Belic M.
OPTIK, vol.160, pp.353-360, 2018 (Journal Indexed in SCI)
- CLXXV. **Chirped dispersive bright and singular optical solitons with Schrodinger-Hirota equation**
Biswas A., Hubert M. B. , Justin M., Betchewe G., Doka S. Y. , Crepin K. T. , EKİCİ M., Zhou Q., Moshokoa S. P. , Belic M.
OPTIK, vol.168, pp.192-195, 2018 (Journal Indexed in SCI)
- CLXXVI. **Optical solitons with modified extended direct algebraic method for quadratic-cubic nonlinearity**
Hubert M. B. , Justin M., Betchewe G., Doka S. Y. , Biswas A., Zhou Q., EKİCİ M., Moshokoa S. P. , Belic M.
OPTIK, vol.162, pp.161-171, 2018 (Journal Indexed in SCI)
- CLXXVII. **Stationary optical solitons with nonlinear group velocity dispersion by extended trial function scheme**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M.
OPTIK, vol.171, pp.529-542, 2018 (Journal Indexed in SCI)
- CLXXVIII. **Optical soliton perturbation with fractional temporal evolution by extended G'/G-expansion method**
Biswas A., SÖNMEZOĞLU A., EKİCİ M., Mirzazadeh M., Zhou Q., Alshomrani A. S. , Moshokoa S. P. , Belic M.
OPTIK, vol.161, pp.301-320, 2018 (Journal Indexed in SCI)
- CLXXIX. **Optical soliton perturbation with full nonlinearity for Fokas-Lenells equation**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Alqahtani R. T.
OPTIK, vol.165, pp.29-34, 2018 (Journal Indexed in SCI)
- CLXXX. **Optical solitons with differential group delay for coupled Fokas-Lenells equation by extended trial**

function scheme

Biswas A., EKİCİ M., SÖNMEZOĞLU A., Alqahtani R. T.
OPTIK, vol.165, pp.102-110, 2018 (Journal Indexed in SCI)

- CLXXXI. **Optical solitons having anti-cubic nonlinearity with a couple of exotic integration schemes**
Al-Ghafri K. S. , Krishnan E. V. , Biswas A., EKİCİ M.
OPTIK, vol.172, pp.794-800, 2018 (Journal Indexed in SCI)
- CLXXXII. **Mitigating Internet bottleneck with fractional temporal evolution of optical solitons having quadratic-cubic nonlinearity**
Rezazadeh H., Osman M. S. , Eslami M., EKİCİ M., SÖNMEZOĞLU A., Asma M., Othman W. A. M. , Wong B. R. ,
Mirzazadeh M., Zhou Q., et al.
OPTIK, vol.164, pp.84-92, 2018 (Journal Indexed in SCI)
- CLXXXIII. **The investigation of soliton solutions of the coupled sine-Gordon equation in nonlinear optics**
Zhou Q., Ekici M., Mirzazadeh M., Sonmezoglu A.
Journal of Modern Optics, vol.64, no.16, pp.1677-1682, 2017 (Journal Indexed in SCI Expanded)
- CLXXXIV. **Optical solitons in (2+1)-dimensions with dual-power law nonlinearity**
Triki H., Ullah M. Z. , Moshoka S. P. , Zhou Q., EKİCİ M., Mirzazadeh M., Biswas A., Belic M.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.19, pp.581-585, 2017 (Journal Indexed in SCI)
- CLXXXV. **Optical solitons in nonlinear negative-index materials with quadratic-cubic nonlinearity**
EKİCİ M., Zhou Q., SÖNMEZOĞLU A., Moshokoa S. P. , Ullah M. Z. , Triki H., Biswas A., Belic M.
SUPERLATTICES AND MICROSTRUCTURES, vol.109, pp.176-182, 2017 (Journal Indexed in SCI)
- CLXXXVI. **On the Solutions of the Space and Time Fractional Benjamin-Bona-Mahony Equation**
Mirzazadeh M., EKİCİ M., Sonmezoglu A.
Iranian Journal of Science and Technology, Transaction A: Science, vol.41, no.3, pp.819-836, 2017 (Journal Indexed in SCI Expanded)
- CLXXXVII. **Optical solitons with DWDM technology and four-wave mixing**
EKİCİ M., Zhou Q., SÖNMEZOĞLU A., Moshokoa S. P. , Ullah M. Z. , Biswas A., Belic M.
SUPERLATTICES AND MICROSTRUCTURES, vol.107, pp.254-266, 2017 (Journal Indexed in SCI)
- :LXXXVIII. **Some new exact wave solutions and conservation laws of potential Korteweg-de Vries equation**
Triki H., AK T., EKİCİ M., SÖNMEZOĞLU A., Mirzazadeh M., Kara A. H. , Aydemir T.
NONLINEAR DYNAMICS, vol.89, no.1, pp.501-508, 2017 (Journal Indexed in SCI)
- CLXXXIX. **Solitons in magneto-optic waveguides by extended trial function scheme**
EKİCİ M., Zhou Q., SÖNMEZOĞLU A., Moshokoa S. P. , Ullah M. Z. , Biswas A., Belic M.
SUPERLATTICES AND MICROSTRUCTURES, vol.107, pp.197-218, 2017 (Journal Indexed in SCI)
- CXC. **Explicit solitons in the parabolic law nonlinear negative-index materials**
SÖNMEZOĞLU A., Yao M., EKİCİ M., Mirzazadeh M., Zhou Q.
NONLINEAR DYNAMICS, vol.88, no.1, pp.595-607, 2017 (Journal Indexed in SCI)
- CXCI. **Nematicons in liquid crystals by extended trial equation method**
EKİCİ M., Mirzazadeh M., SÖNMEZOĞLU A., Ullah M. Z. , Zhou Q., Moshokoa S. P. , Biswas A., Belic M.
JOURNAL OF NONLINEAR OPTICAL PHYSICS & MATERIALS, vol.26, no.1, 2017 (Journal Indexed in SCI)
- CXCII. **Soliton solutions for Davydov solitons in α -helix proteins**
Taghizadeh N., Zhou Q., Ekici M., Mirzazadeh M.
Superlattices and Microstructures, vol.102, pp.323-341, 2017 (Journal Indexed in SCI Expanded)
- CXCIII. **Exact solitary wave solutions to the new (3+1)-dimensional generalized Kadomtsev-Petviashvili equation**
SÖNMEZOĞLU A., EKİCİ M., Moradi M., Mirzazadeh M., Zhou Q.
OPTIK, vol.128, pp.77-82, 2017 (Journal Indexed in SCI)
- CXCIV. **Solitons and other solutions to Wu-Zhang system**
Mirzazadeh M., EKİCİ M., Eslami M., Krishnan E. V. , Kumar S., Biswas A.
NONLINEAR ANALYSIS-MODELLING AND CONTROL, vol.22, no.4, pp.441-458, 2017 (Journal Indexed in SCI)
- CXCV. **Optical solitons of some fractional differential equations in nonlinear optics**
Zhou Q., SÖNMEZOĞLU A., EKİCİ M., Mirzazadeh M.

JOURNAL OF MODERN OPTICS, vol.64, no.21, pp.2345-2349, 2017 (Journal Indexed in SCI)

- CXCVI. **The analytical study of solitons to the nonlinear Schrodinger equation with resonant nonlinearity**
EKİCİ M., Zhou Q., SÖNMEZOĞLU A., Manafian J., Mirzazadeh M.
OPTIK, vol.130, pp.378-382, 2017 (Journal Indexed in SCI)
- CXCVII. **Optical solitons in DWDM system by extended trial equation method**
EKİCİ M., SÖNMEZOĞLU A., Zhou Q., Biswas A., Ullah M. Z. , Asma M., Moshokoa S. P. , Belic M.
OPTIK, vol.141, pp.157-167, 2017 (Journal Indexed in SCI)
- CXCVIII. **Analytical study of solitons in the fiber waveguide with power law nonlinearity**
Mirzazadeh M., EKİCİ M., Zhou Q., SÖNMEZOĞLU A.
SUPERLATTICES AND MICROSTRUCTURES, vol.101, pp.493-506, 2017 (Journal Indexed in SCI)
- CXCIX. **Exact solitons to generalized resonant dispersive nonlinear Schrodinger's equation with power law nonlinearity**
Mirzazadeh M., EKİCİ M., Zhou Q., Biswas A.
OPTIK, vol.130, pp.178-183, 2017 (Journal Indexed in SCI)
- CC. **Optical solitons with anti-cubic nonlinearity by extended trial equation method**
EKİCİ M., Mirzazadeh M., SÖNMEZOĞLU A., Ullah M. Z. , Zhou Q., Triki H., Moshokoa S. P. , Biswas A.
OPTIK, vol.136, pp.368-373, 2017 (Journal Indexed in SCI)
- CCI. **Optical solitons in birefringent fibers with Kerr nonlinearity by exp-function method**
EKİCİ M., Mirzazadeh M., SÖNMEZOĞLU A., Zhou Q., Triki H., Ullah M. Z. , Moshokoa S. P. , Biswas A.
OPTIK, vol.131, pp.964-976, 2017 (Journal Indexed in SCI)
- CCII. **Parallel propagation of dispersive optical solitons by extended trial equation method**
SÖNMEZOĞLU A., EKİCİ M., Arnous A. H. , Zhou Q., Moshokoa S. P. , Ullah M. Z. , Biswas A., Betic M.
OPTIK, vol.144, pp.565-572, 2017 (Journal Indexed in SCI)
- CCIII. **Soliton and other solutions of nonlinear time fractional parabolic equations using extended G'/G -expansion method**
EKİCİ M.
OPTIK, vol.130, pp.1312-1319, 2017 (Journal Indexed in SCI)
- CCIV. **Solitons in nonlinear directional couplers with optical metamaterials by trial function scheme**
Arnous A. H. , Ekici M., Moshokoa S. P. , Ullah M. Z. , Biswas A., Belic M.
Acta Physica Polonica A, vol.132, no.4, pp.1399-1410, 2017 (Journal Indexed in SCI Expanded)
- CCV. **Dispersive optical solitons with Schrodinger-Hirota equation by extended trial equation method**
EKİCİ M., Mirzazadeh M., SÖNMEZOĞLU A., Ullah M. Z. , Asma M., Zhou Q., Moshokoa S. P. , Biswas A., Belic M.
OPTIK, vol.136, pp.451-461, 2017 (Journal Indexed in SCI)
- CCVI. **Analytical study of solitons to Biswas–Milovic model in nonlinear optics**
Zhou Q., Ekici M., Sonmezoglu A., Mirzazadeh M., Eslami M.
Journal of Modern Optics, vol.63, no.21, pp.2131-2137, 2016 (Journal Indexed in SCI Expanded)
- CCVII. **Optical solitons with resonant nonlinear Schrodinger's equation using three integration schemes**
Tchier F., Kilic B., Inc M., Ekici M., Sonmezoglu A., Mirzazadeh M., Triki H., Milovic D., Zhou Q., Moshokoa S. P. , et al.
Journal of Optoelectronics and Advanced Materials, vol.18, no.11-12, pp.950-973, 2016 (Journal Indexed in SCI Expanded)
- CCVIII. **Analytical study of solitons in non-Kerr nonlinear negative-index materials**
Zhou Q., Mirzazadeh M., Ekici M., Sonmezoglu A.
Nonlinear Dynamics, vol.86, no.1, pp.623-638, 2016 (Journal Indexed in SCI Expanded)
- CCIX. **Optical solitons with complex Ginzburg-Landau equation**
Mirzazadeh M., EKİCİ M., SÖNMEZOĞLU A., Eslami M., Zhou Q., Kara A. H. , Milovic D., Majid F. B. , Biswas A., Belic M.
NONLINEAR DYNAMICS, vol.85, no.3, pp.1979-2016, 2016 (Journal Indexed in SCI)
- CCX. **Optical solitons with Biswas–Milovic equation by extended trial equation method**
Zhou Q., Ekici M., Sonmezoglu A., Mirzazadeh M., Eslami M.
Nonlinear Dynamics, vol.84, no.4, pp.1883-1900, 2016 (Journal Indexed in SCI Expanded)
- CCXI. **Soliton solutions to a few fractional nonlinear evolution equations in shallow water wave dynamics**
Mirzazadeh M., EKİCİ M., SÖNMEZOĞLU A., Ortakaya S., Eslami M., Biswas A.

- EUROPEAN PHYSICAL JOURNAL PLUS, vol.131, no.5, 2016 (Journal Indexed in SCI)
- CCXII. **Solitons and other solutions to Boussinesq equation with power law nonlinearity and dual dispersion**
Ekici M., Mirzazadeh M., Eslami M.
Nonlinear Dynamics, vol.84, no.2, pp.669-676, 2016 (Journal Indexed in SCI Expanded)
- CCXIII. **Solitons in optical metamaterials with fractional temporal evolution**
EKİCİ M., Mirzazadeh M., Zhou Q., Moshokoa S. P. , Biswas A., Belic M.
OPTIK, vol.127, no.22, pp.10879-10897, 2016 (Journal Indexed in SCI)
- CCXIV. **Optical soliton perturbation with fractional-temporal evolution by first integral method with conformable fractional derivatives**
EKİCİ M., Mirzazadeh M., Eslami M., Zhou Q., Moshokoa S. P. , Biswas A., Belic M.
OPTIK, vol.127, no.22, pp.10659-10669, 2016 (Journal Indexed in SCI)
- CCXV. **Dark and singular optical solitons with Kundu-Eckhaus equation by extended trial equation method and extended G'/G -expansion scheme**
EKİCİ M., Mirzazadeh M., SÖNMEZOĞLU A., Zhou Q., Moshokoa S. P. , Biswas A., Belic M.
OPTIK, vol.127, no.22, pp.10490-10497, 2016 (Journal Indexed in SCI)
- CCXVI. **Optical solitons in birefringent fibers by extended trial equation method**
Mirzazadeh M., EKİCİ M., SÖNMEZOĞLU A., Zhou Q., Triki H., Moshokoa S. P. , Biswas A., Belic M.
OPTIK, vol.127, no.23, pp.11311-11325, 2016 (Journal Indexed in SCI)
- CCXVII. **New Exact Solutions of the Davey–Stewartson Equation with Power-Law Nonlinearity**
Gurefe Y., Misirli E., Pandir Y., Sonmezoglu A., Ekici M.
Bulletin of the Malaysian Mathematical Sciences Society, vol.38, no.3, pp.1223-1234, 2015 (Journal Indexed in SCI Expanded)
- CCXVIII. **A NEW APPROACH FOR SOLITON SOLUTIONS OF RLW EQUATION AND (1+2)-DIMENSIONAL NONLINEAR SCHRÖDINGER'S EQUATION**
Filiz A., Sönmezoğlu A., Ekici M., Duran D.
MATHEMATICAL REPORTS, vol.17, no.1, pp.43-56, 2015 (Journal Indexed in SCI)
- CCXIX. **F-Expansion Method and New Exact Solutions of the Schrodinger-KdV Equation**
FİLİZ A., EKİCİ M., SÖNMEZOĞLU A.
SCIENTIFIC WORLD JOURNAL, 2014 (Journal Indexed in SCI)
- CCXX. **Extended trial equation method and applications to some nonlinear problems**
Postolache M., Gurefe Y., Sonmezoglu A., Ekici M., Misirli E.
UPB Scientific Bulletin, Series A: Applied Mathematics and Physics, vol.76, no.2, pp.3-12, 2014 (Journal Indexed in SCI Expanded)
- CCXXI. **A fifth-order numerical convergence for linear Volterra integro-differential equation**
Filiz A., Isik A., EKİCİ M.
Life Science Journal, vol.10, no.4, pp.302-309, 2013 (Journal Indexed in SCI Expanded)
- CCXXII. **Mini Transverse Versus Longitudinal Incision in Carpal Tunnel Syndrome**
KORKMAZ M., EKİCİ M., Cepoglu M. C. , ÖZTÜRK H.
JCPS-P-JOURNAL OF THE COLLEGE OF PHYSICIANS AND SURGEONS PAKISTAN, vol.23, no.9, pp.645-648, 2013 (Journal Indexed in SCI)
- CCXXIII. **Extended trial equation method to generalized nonlinear partial differential equations**
Gurefe Y., MISIRLI E., SÖNMEZOĞLU A., EKİCİ M.
APPLIED MATHEMATICS AND COMPUTATION, vol.219, no.10, pp.5253-5260, 2013 (Journal Indexed in SCI)
- CCXXIV. **Surgical Timing of the Subependymal Giant Cell Astrocytoma (SEGA) with the Patients of Tuberculous Sclerosis Complex**
EKİCİ M., Kumandas S., PER H., Ekici A., Tucer B., GÜMÜŞ H., CANÖZ Ö., Kurtsoy A.
TURKISH NEUROSURGERY, vol.21, no.3, pp.315-324, 2011 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Optical soliton perturbation with Kudryashov's law of arbitrary refractive index**
Yildirim Y., Biswas A., EKİCİ M., Khan S., Alzahrani A. K., Belic M. R.
JOURNAL OF OPTICS-INDIA, vol.50, pp.245-252, 2021 (Journal Indexed in ESCI)
- II. **Optical solitons and conservation law with Kudryashov's form of arbitrary refractive index**
Yildirim Y., Biswas A., Kara A. H., EKİCİ M., Zayed E. M. E., Alzahrani A. K., Belic M. R.
JOURNAL OF OPTICS-INDIA, 2021 (Journal Indexed in ESCI)
- III. **Highly dispersive optical solitons in birefringent fibers with four nonlinear forms using Kudryashov's approach**
Zayed E. M. E., Al-Nowehy A., Alngar M. E. M., Biswas A., Asma M., EKİCİ M., Alzahrani A. K., Belic M. R.
JOURNAL OF OPTICS-INDIA, vol.50, no.1, pp.120-131, 2021 (Journal Indexed in ESCI)
- IV. **Cubic-quartic optical soliton perturbation with Kudryashov's law of refractive index having quadrupled-power law and dual form of generalized nonlocal nonlinearity by sine-Gordon equation approach**
Yildirim Y., Biswas A., Triki H., EKİCİ M., Guggilla P., Khan S., Moraru L., Belic M. R.
JOURNAL OF OPTICS-INDIA, 2021 (Journal Indexed in ESCI)
- V. **Cubic-quartic optical soliton perturbation with Lakshmanan-Porsezian-Daniel model by sine-Gordon equation approach**
Yildirim Y., Topkara E., Biswas A., Triki H., EKİCİ M., Guggilla P., Khan S., Belic M. R.
JOURNAL OF OPTICS-INDIA, 2021 (Journal Indexed in ESCI)
- VI. **Cubic-quartic optical soliton perturbation and conservation laws with generalized Kudryashov's form of refractive index**
Yildirim Y., Biswas A., Kara A. H., EKİCİ M., Alzahrani A. K., Belic M. R.
JOURNAL OF OPTICS-INDIA, 2021 (Journal Indexed in ESCI)
- VII. **Highly dispersive optical solitons with quadratic-cubic law of refractive index by the variational iteration method**
Gonzalez-Gaxiola O., Biswas A., EKİCİ M., Khan S.
JOURNAL OF OPTICS-INDIA, 2021 (Journal Indexed in ESCI)
- VIII. **Cubic-quartic optical soliton perturbation with complex Ginzburg-Landau equation**
Biswas A., Yıldırım Y., EKİCİ M., Guggilla P., Khan S., González-Gaxiola O., Alzahrani A. K., Belic M. R.
Journal of Applied Science and Engineering (Taiwan), vol.24, no.6, pp.937-1004, 2021 (Refereed Journals of Other Institutions)
- IX. **OPTICAL SOLITON PERTURBATION AND POLARIZATION WITH QUADRATIC-CUBIC NONLINEARITY BY SINE-GORDON EQUATION APPROACH**
Yildirim Y., Topkara E., Biswas A., Triki H., Ekici M., Guggilla P., Khan S., Belic M. R.
JOURNAL OF PHYSICAL STUDIES, vol.25, no.2, 2021 (Journal Indexed in ESCI)
- X. **Optical soliton perturbation with parabolic-nonlocal combo nonlinearity: undetermined coefficients and semi-inverse variational principle**
Vega-Guzman J., Biswas A., Asma M., Seadawy A. R., EKİCİ M., Alzahrani A. K., Belic M. R.
JOURNAL OF OPTICS-INDIA, 2021 (Journal Indexed in ESCI)
- XI. **Optical soliton perturbation and conservation law with Kudryashov's refractive index having quadrupled power-law and dual form of generalized nonlocal nonlinearity**
Yildirim Y., Biswas A., Kara A. H., Ekici M., Khan S., Belic M. R.
SEMICONDUCTOR PHYSICS QUANTUM ELECTRONICS & OPTOELECTRONICS, vol.24, no.1, pp.64-70, 2021 (Journal Indexed in ESCI)
- XII. **Solitons and conservation laws in magneto-optic waveguides with triple-power law nonlinearity**
Zayed E. M. E., Alngar M. E. M., Biswas A., Kara A. H., Moraru L., EKİCİ M., Alzahrani A. K., Belic M. R.
JOURNAL OF OPTICS-INDIA, vol.49, no.4, pp.584-590, 2020 (Journal Indexed in ESCI)
- XIII. **On Boundary Control Problem of Distributed Parameter Systems**
MUSTAFAFAYEV M., Mirzazadeh M., EKİCİ M.

- International Journal of Applied and Computational Mathematics, vol.3, pp.961-969, 2017 (Refereed Journals of Other Institutions)
- XIV. **Investigation of Exact Solutions of Perturbed Nonlinear Schrödinger's Equation by $\exp(\left(-\Phi(\xi)\right))$ -Expansion Method**
EKİCİ M.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, no.2, pp.373-379, 2017 (Other Refereed National Journals)
- XV. **Optical Solitons in Nano Fibers with Fractional Temporal Evolution**
Mirzazadeh M., SÖNMEZOĞLU A., EKİCİ M., Eslami M. E. , ZHOU Q., Zerrad E., BİSWAS A., BELİC M.
Journal Of Computational And Theoretical Nanoscience, vol.13, no.8, pp.5361-5374, 2016 (Refereed Journals of Other Institutions)
- XVI. **Optical Solitons in Cascaded System by Extended Trial Function Method**
SÖNMEZOĞLU A., EKİCİ M., MİRZAZADEH M., ZHOU Q., Mahmood M. F. , Zerrad E., BİSWAS A., BELİC M.
Journal Of Computational And Theoretical Nanoscience, vol.13, no.8, pp.5394-5398, 2016 (Refereed Journals of Other Institutions)
- XVII. **New Exact Solutions to the KdV and N 1 Dimensional Double Sinh Gordon Equation by the Extended Trial Equation Method**
SÖNMEZOĞLU A., EKİCİ M., Elsayed M E Z.
Mathematical Sciences Letters, vol.4, no.2, pp.157-163, 2015 (Refereed Journals of Other Institutions)
- XVIII. **Exact solutions of the ZK MEW equation and the Davey Stewartson equation**
Elsayed E M Z., FİLİZ A., EKİCİ M., SÖNMEZOĞLU A., DURAN D.
International Journal of Applied Mathematical Research, vol.3, no.2, pp.122-132, 2014 (Refereed Journals of Other Institutions)
- XIX. **Constructing of exact solutions to the 2+1 dimensional breaking soliton equations by the multiple G'/G expansion method**
Ekici M., Duran D., Sönmezoglu A.
J.Adv.Math.Stud., vol.7, no.1, pp.27-44, 2014 (Refereed Journals of Other Institutions)
- XX. **A new fractional sub equation method for solving the space time fractional differential equations in mathematical physics**
EKİCİ M., Zayed E. M. E. , SÖNMEZOĞLU A.
Computational Methods for Differential Equations, vol.2, no.3, pp.153-170, 2014 (Refereed Journals of Other Institutions)
- XXI. **Soliton Solutions of the Klein Gordon Zakharov Equation with Power Law Nonlinearity**
EKİCİ M., DURAN D., SÖNMEZOĞLU A.
ISRN Computational Mathematics, vol.2013, pp.1-7, 2013 (Refereed Journals of Other Institutions)
- XXII. **A fully discrete ϵ -uniform method for convection-diffusion problem on equidistant meshes**
FİLİZ A., Nesliturk A. İ. , EKİCİ M.
Applied Mathematical Sciences, vol.6, no.17, pp.827-842, 2012 (Refereed Journals of Other Institutions)

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h-index (WOS):35