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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), Türkiye 1996 - 2005

Yüksek Lisans, Tokat Gaziosmanpaşa Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Türkiye 1993 - 1996

Lisans, Ondokuz Mayıs Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, Türkiye 1989 - 1993

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Fourier serileri ile bu serilerin conjugate serilerinin mutlak genelleştirilmiş nörlund toplanabilirliği, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), 2005

Yüksek Lisans, Fourier serilerin mutlak nörlund toplanabilirliği, Tokat Gaziosmanpaşa Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 1996

Araştırma Alanları

Matematik, Diferansiyel denklemler

Akademik Unvanlar / Görevler

Prof.Dr., Yozgat Bozok Üniversitesi, Fen-Edebiyat Fakültesi, Matematik, 2023 - Devam Ediyor

Doç.Dr., Yozgat Bozok Üniversitesi, Fen-Edebiyat Fakültesi, Matematik, 2018 - 2023

Dr.Öğr.Üyesi, Yozgat Bozok Üniversitesi, Fen-Edebiyat Fakültesi, Matematik, 2007 - 2018

Öğretim Görevlisi, Erciyes Üniversitesi, Yozgat Fen-Edebiyat Fakültesi, Matematik Pr., 2000 - 2007

Araştırma Görevlisi, Erciyes Üniversitesi, Yozgat Fen-Edebiyat Fakültesi, Matematik Pr., 1996 - 2000

Araştırma Görevlisi, Tokat Gaziosmanpaşa Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 1994 - 1995

Akademik İdari Deneyim

Yozgat Bozok Üniversitesi, 2008 - Devam Ediyor
Bölüm Başkan Yardımcısı, Yozgat Bozok Üniversitesi, 2017 - 2022
Yozgat Bozok Üniversitesi, 2016 - 2017
Yozgat Bozok Üniversitesi, 2008 - 2016

Verdiği Dersler

Kompleks Fonksiyonlar Teorisi II, Lisans, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2013 - 2014
Olasılık ve İstatistik II, Lisans, 2020 - 2021, 2015 - 2016, 2014 - 2015, 2013 - 2014
Analiz 4, Lisans, 2020 - 2021
Uzmanlık Alan Dersi I, Yüksek Lisans, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2015 - 2016, 2014 - 2015, 2013 - 2014
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MAT 597 TEZ ÇALIŞMASI, Yüksek Lisans, 2019 - 2020
KOMPLEKS ANALİZ I, Yüksek Lisans, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016
İSTATİSTİK GRAFİK VE İFADE METOTLARI, Lisans, 2019 - 2020, 2018 - 2019
MAT 598 Tez Çalışması, Yüksek Lisans, 2019 - 2020
ANALİZ I, Lisans, 2019 - 2020
Genel Matematik II, Lisans, 2019 - 2020, 2017 - 2018
Seminer, Yüksek Lisans, 2019 - 2020
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Bitirme Tezi I, Lisans, 2016 - 2017, 2014 - 2015
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Yüksek Matematik I, Lisans, 2016 - 2017
Tez Çalışması I, Doktora, 2016 - 2017
Bilimsel Araştırma İlkeleri, Yüksek Lisans, 2016 - 2017
Bitirme Tezi II, Lisans, 2016 - 2017, 2014 - 2015
İSTATİSTİK GRAFİK İFADE ETME METOTLARI, Lisans, 2015 - 2016, 2014 - 2015
MÜHENDİSLİK İÇİN OLASILIK TEORİSİ, Lisans, 2014 - 2015, 2013 - 2014

ANALİZ III(2.ÖĞRETİM), Lisans, 2013 - 2014
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Yönetilen Tezler

Sönmezoğlu A., Cauchy and goursat problems for second-order partial differential equations and the solution of these problems, Yüksek Lisans, M.CEYLAN(Öğrenci), 2022
Sönmezoğlu A., Yüksek mertebeden dispersif optik solitonların analitik çalışması, Yüksek Lisans, O.NAZLI(Öğrenci), 2022
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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Sequel to "stationary optical solitons with Kudryashov's laws of refractive index" (generalized temporal evolution)**
Biswas A., SÖNMEZOĞLU A., EKİCİ M.
Journal of Nonlinear Optical Physics and Materials, cilt.32, sa.1, 2023 (SCI-Expanded)
- II. **Optical solitons for Kudryashov's model: undetermined coefficients with Jacobi's elliptic functions**
SÖNMEZOĞLU A., EKİCİ M., Biswas A.
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, cilt.16, sa.5-6, ss.243-247, 2022 (SCI-Expanded)
- III. **Stationary optical solitons having Kudryashov's quintuple power law nonlinearity by extended G'/G-expansion**
SÖNMEZOĞLU A.
OPTİK, cilt.253, 2022 (SCI-Expanded)
- IV. **Stationary optical solitons with Kudryashov's quintuple power-law of refractive index having nonlinear chromatic dispersion**

Biswas A, EKİCİ M., SÖNMEZOĞLU A.

PHYSICS LETTERS A, cilt.426, 2022 (SCI-Expanded)

- V. **Cubic-Quartic Optical Solitons and Conservation Laws with Kudryashov's Law of Refractive Index by Extended Trial Function**
Biswas A, SÖNMEZOĞLU A., EKİCİ M., Kara A. H., Alzahrani A. K., Belic M. R.
Computational Mathematics and Mathematical Physics, cilt.61, sa.12, ss.1995-2003, 2021 (SCI-Expanded)
- VI. **Stationary optical solitons with Kudryashov's laws of refractive index**
EKİCİ M., SÖNMEZOĞLU A., Biswas A.
CHAOS SOLITONS & FRACTALS, cilt.151, 2021 (SCI-Expanded)
- VII. **Stationary optical solitons with cubic-quartic law of refractive index and nonlinear chromatic dispersion**
SÖNMEZOĞLU A., EKİCİ M., Biswas A.
PHYSICS LETTERS A, cilt.410, 2021 (SCI-Expanded)
- VIII. **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-Expanded)
- IX. **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)
- X. **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-Expanded)
- XI. **Optical solitons with Kudryashov's equation by F-expansion**
Biswas A., SÖNMEZOĞLU A., EKİCİ M., Alshomrani A. S., Belic M. R.
OPTIK, cilt.199, 2019 (SCI-Expanded)
- XII. **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-Expanded)
- XIII. **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-Expanded)
- XIV. **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, cilt.192, 2019 (SCI-Expanded)
- XV. **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, cilt.192, 2019 (SCI-Expanded)
- XVI. **Highly dispersive optical solitons in absence of self-phase modulation by F-expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Alshomrani A. S.
OPTIK, cilt.187, ss.258-271, 2019 (SCI-Expanded)
- XVII. **Solitons in optical fiber Bragg gratings with dispersive reflectivity by extended trial function method**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.182, ss.88-94, 2019 (SCI-Expanded)
- XVIII. **Highly dispersive optical solitons with quadratic-cubic law by F-expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.

- OPTIK, cilt.182, ss.930-943, 2019 (SCI-Expanded)
- XIX. Highly dispersive optical solitons with cubic-quintic-septic law by F-expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.182, ss.897-906, 2019 (SCI-Expanded)
- XX. 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, cilt.57, ss.72-77, 2019 (SCI-Expanded)
- XXI. Highly dispersive optical solitons with Kerr law nonlinearity by F-expansion**
Biswas A., Ekicid M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.181, ss.1028-1038, 2019 (SCI-Expanded)
- XXII. Optical solitons in birefringent fibers haying anti-cubic nonlinearity with exp-function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.186, ss.363-368, 2019 (SCI-Expanded)
- XXIII. Optical solitons in birefringent fibers having anti-cubic nonlinearity with extended trial function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.185, ss.456-463, 2019 (SCI-Expanded)
- XXIV. Highly dispersive optical solitons with non-local nonlinearity by F-expansion**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.183, ss.1140-1150, 2019 (SCI-Expanded)
- XXV. 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, cilt.184, ss.277-286, 2019 (SCI-Expanded)
- XXVI. 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, cilt.186, ss.321-325, 2019 (SCI-Expanded)
- XXVII. 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, cilt.183, ss.571-578, 2019 (SCI-Expanded)
- XXVIII. 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, cilt.178, ss.178-189, 2019 (SCI-Expanded)
- XXIX. Exact chirped singular soliton solutions of Triki-Biswas equation**
Zhou Q., EKİCİ M., SÖNMEZOĞLU A.
OPTIK, cilt.181, ss.338-342, 2019 (SCI-Expanded)
- XXX. Optical solitons in birefringent fibers with quadratic-cubic nonlinearity by extended G'/G -expansion scheme**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M.
OPTIK, cilt.178, ss.59-65, 2019 (SCI-Expanded)
- XXXI. Highly dispersive optical solitons with Kerr law nonlinearity by exp-function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.185, ss.121-125, 2019 (SCI-Expanded)
- XXXII. 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, cilt.178, ss.117-121, 2019 (SCI-Expanded)
- XXXIII. 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, cilt.135, sa.3, ss.539-545, 2019 (SCI-Expanded)

- XXXIV. **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-Expanded)
- XXXV. **Optical solitons with Biswas-Arshed equation by extended trial function method**
EKİCİ M., SÖNMEZOĞLU A.
OPTIK, cilt.177, ss.13-20, 2019 (SCI-Expanded)
- XXXVI. **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, cilt.179, ss.471-478, 2019 (SCI-Expanded)
- XXXVII. **Highly dispersive optical solitons with quadratic-cubic law by exp-function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.186, ss.431-435, 2019 (SCI-Expanded)
- XXXVIII. **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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- XXXIX. **Highly dispersive optical solitons in absence of self-phase modulation by exp-function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.186, ss.436-442, 2019 (SCI-Expanded)
- XL. **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, cilt.183, ss.595-601, 2019 (SCI-Expanded)
- XLI. **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, cilt.178, ss.636-644, 2019 (SCI-Expanded)
- XLII. **Highly dispersive optical solitons with non-local nonlinearity by exp-function**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, cilt.186, ss.288-292, 2019 (SCI-Expanded)
- XLIII. **Optical solitons in birefringent fibers with quadratic-cubic nonlinearity by extended trial function scheme**
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Belic M.
OPTIK, cilt.176, ss.542-548, 2019 (SCI-Expanded)
- XLIV. **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, cilt.185, ss.50-56, 2019 (SCI-Expanded)
- XLV. **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, cilt.50, sa.12, 2018 (SCI-Expanded)
- XLVI. **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, cilt.133, sa.5, 2018 (SCI-Expanded)
- XLVII. **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, cilt.50, sa.2, 2018 (SCI-Expanded)
- XLVIII. **Optical solitons with Radhakrishnan-Kundu-Lakshmanan equation by extended trial function scheme**

- Biswas A, EKİCİ M., SÖNMEZOĞLU A., Alshomrani A. S.
OPTIK, cilt.160, ss.415-427, 2018 (SCI-Expanded)
- XLIX. **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, cilt.164, ss.303-310, 2018 (SCI-Expanded)
- L. **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, cilt.158, ss.790-798, 2018 (SCI-Expanded)
- LI. **Gaussian solitary waves to Boussinesq equation with dual dispersion and logarithmic nonlinearity**
Biswas A, EKİCİ M., SÖNMEZOĞLU A.
NONLINEAR ANALYSIS-MODELLING AND CONTROL, cilt.23, sa.6, ss.942-950, 2018 (SCI-Expanded)
- LII. **Sequel to stationary optical solitons with nonlinear group velocity dispersion by extended trial function scheme**
EKİCİ M., SÖNMEZOĞLU A., Biswas A., Belic M.
OPTIK, cilt.172, ss.636-650, 2018 (SCI-Expanded)
- LIII. **Optical soliton perturbation with full nonlinearity for Fokas-Lenells equation**
Biswas A, EKİCİ M., SÖNMEZOĞLU A., Alqahtani R. T.
OPTIK, cilt.165, ss.29-34, 2018 (SCI-Expanded)
- LIV. **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, cilt.165, ss.102-110, 2018 (SCI-Expanded)
- LV. **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, cilt.169, ss.403-415, 2018 (SCI-Expanded)
- LVI. **Resonant optical soliton perturbation with anti-cubic nonlinearity by extended trial function method**
Biswas A, Ekici M., Triki H., SÖNMEZOĞLU A., Mirzazadeh M., Zhou Q., Mahmood M. F., Ullah M. Z., Moshokoa S. P., Belic M.
OPTIK, cilt.156, ss.784-790, 2018 (SCI-Expanded)
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