

Assoc. Prof. ABDULLAH SÖNMEZOĞLU

Personal Information

Email: abdullah.sonmezoglu@bozok.edu.tr

Web: <https://avesis.bozok.edu.tr/abdullah.sonmezoglu>

Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 1996 - 2005

Postgraduate, Tokat Gaziosmanpaşa University, Fen Bilimleri Enstitüsü, Matematik (Yl) (Tezli), Turkey 1993 - 1996

Undergraduate, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1989 - 1993

Foreign Languages

English, B2 Upper Intermediate

Dissertations

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

Postgraduate, Fourier serilerin mutlak nörlund toplanabilirliği, Tokat Gaziosmanpaşa University, Fen Bilimleri Enstitüsü, Matematik (Yl) (Tezli), 1996

Academic Titles / Tasks

Associate Professor, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2018 - Continues

Lecturer, Erciyes University, Yozgat Fen-Edebiyat Fakültesi, Matematik Pr., 2000 - 2007

Research Assistant, Erciyes University, Yozgat Fen-Edebiyat Fakültesi, Matematik Pr., 1996 - 2000

Research Assistant, Tokat Gaziosmanpaşa University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 1994 - 1995

Academic and Administrative Experience

Yozgat Bozok University, 2017 - Continues

Yozgat Bozok University, 2008 - Continues

Yozgat Bozok University, 2016 - 2017

Yozgat Bozok University, 2008 - 2016

Courses

Kompleks Fonksiyonlar Teorisi II, Undergraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021

Olasılık ve İstatistik II, Undergraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2020 - 2021

Analiz 4, Undergraduate, 2020 - 2021

Uzmanlık Alan Dersi I, Postgraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2018 - 2019, 2019 - 2020, 2020 - 2021
İstatistik grafik ifade metotları, Undergraduate, 2016 - 2017, 2017 - 2018, 2020 - 2021
Tez Çalışması I, Postgraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2020 - 2021
Olasılık ve İstatistik I, Undergraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2020 - 2021
İleri Analiz I, Postgraduate, 2013 - 2014, 2014 - 2015, 2016 - 2017, 2020 - 2021
Analiz III, Undergraduate, 2013 - 2014, 2018 - 2019, 2020 - 2021
İleri Analiz II, Postgraduate, 2013 - 2014, 2014 - 2015, 2016 - 2017, 2019 - 2020, 2020 - 2021
Tez Çalışması II, Postgraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2020 - 2021
Uzmanlık Alan Dersi II, Postgraduate, 2014 - 2015, 2015 - 2016, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021
Kompleks Fonksiyonlar Teorisi I, Undergraduate, 2013 - 2014, 2014 - 2015, 2017 - 2018, 2019 - 2020, 2020 - 2021
Analiz II, Undergraduate, 2019 - 2020
MAT 597 TEZ ÇALIŞMASI, Postgraduate, 2019 - 2020
KOMPLEKS ANALİZ I, Postgraduate, 2015 - 2016, 2017 - 2018, 2018 - 2019, 2019 - 2020
İSTATİSTİK GRAFİK VE İFADE METOTLARI, Undergraduate, 2018 - 2019, 2019 - 2020
MAT 598 Tez Çalışması, Postgraduate, 2019 - 2020
ANALİZ I, Undergraduate, 2019 - 2020
Genel Matematik II, Undergraduate, 2017 - 2018, 2019 - 2020
Seminer, Postgraduate, 2019 - 2020
Mühendislik Matematiği I, Undergraduate, 2014 - 2015, 2015 - 2016, 2017 - 2018, 2018 - 2019
Kompleks Analiz II, Postgraduate, 2015 - 2016, 2017 - 2018, 2018 - 2019
Analiz IV, Undergraduate, 2013 - 2014, 2017 - 2018, 2018 - 2019
Tez Çalışması II, Doctorate, 2016 - 2017, 2017 - 2018
Tez Çalışması, Doctorate, 2017 - 2018
Uzmanlık Alan Dersi, Doctorate, 2016 - 2017, 2017 - 2018
Genel Matematik I, Undergraduate, 2014 - 2015, 2017 - 2018
Uzmanlık Alan Dersi, Postgraduate, 2016 - 2017, 2017 - 2018
Mühendislik Matematiği II, Undergraduate, 2014 - 2015, 2015 - 2016, 2017 - 2018
Tez Çalışması, Postgraduate, 2017 - 2018
Uzmanlık Alan Dersi II, Doctorate, 2017 - 2018
Diferansiyel Denklemler, Undergraduate, 2016 - 2017
Bitirme Tezi I, Undergraduate, 2014 - 2015, 2016 - 2017
Matematik II, Undergraduate, 2014 - 2015, 2015 - 2016, 2016 - 2017
Matematik I, Undergraduate, 2014 - 2015, 2016 - 2017
Yüksek Matematik I, Undergraduate, 2016 - 2017
Tez Çalışması I, Doctorate, 2016 - 2017
Bilimsel Araştırma İlkeleri, Postgraduate, 2016 - 2017
Bitirme Tezi II, Undergraduate, 2014 - 2015, 2016 - 2017
İSTATİSTİK GRAFİK İFADE ETME METOTLARI, Undergraduate, 2014 - 2015, 2015 - 2016
MÜHENDİSLİK İÇİN OLASILIK TEORİSİ, Undergraduate, 2013 - 2014, 2014 - 2015
ANALİZ III(2.ÖĞRETİM), Undergraduate, 2013 - 2014
KOMPLEKS FONKSİYONLAR TEORİSİ I(2.ÖĞRETİM), Undergraduate, 2013 - 2014
KOMPLEKS FONKSİYONLAR TEORİSİ II(2.ÖĞRETİM), Undergraduate, 2013 - 2014
OLASILIK VE İSTATİSTİK II(2.ÖĞRETİM), Undergraduate, 2013 - 2014
OLASILIK VE İSTATİSTİK I(2.ÖĞRETİM), Undergraduate, 2013 - 2014
ANALİZ IV(2.ÖĞRETİM), Undergraduate, 2013 - 2014

Advising Theses

SÖNMEZOĞLU A., Katlı Fourier Serilerinin Nörlund Toplanabilmesi, Postgraduate, M.UÇAR(Student), 2020
SÖNMEZOĞLU A., On the absolute Euler summability of Fourier series, Postgraduate, B.ELTURAN(Student), 2018

SÖNMEZOĞLU A., Olasılık ve Fourier serilerinin (C,r) toplanabilmesi, Postgraduate, S.KARAKOÇ(Student), 2018
SÖNMEZOĞLU A., Esnek matrisler kullanılarak elde edilen bazı karar verme metotları ve uygulamaları, Doctorate, H.KAMACI(Student), 2018
SÖNMEZOĞLU A., Ortogonal Serilerin Mutlak Genelleştirilmiş Hausdorff Toplanabilmesi Üzerine, Postgraduate, İ.AKGÜN(Student), 2018
SÖNMEZOĞLU A., Jacobi eliptik fonksiyon metodu ile lineer olmayan bazı lineer olmayan dalga denklemlerinin çözümü, Postgraduate, M.FATİH(Student), 2016
SÖNMEZOĞLU A., Fourier serilerinin Hausdorff toplanabilmesi, Postgraduate, N.AĞCA(Student), 2016
SÖNMEZOĞLU A., Fourier serilerinin mutlak Hausdorff toplanabilmesi üzerine, Postgraduate, H.ÖZARSLAN(Student), 2016
SÖNMEZOĞLU A., Genelleştirilmiş Quasi-Nörlund toplanabilme üzerine, Postgraduate, K.BAŞAR(Student), 2015
SÖNMEZOĞLU A., Hausdorff toplanabilme metodu, Postgraduate, H.ÖZTÜRK(Student), 2013
SÖNMEZOĞLU A., Nörlund toplanabilme metodu, Postgraduate, T.COŞKUN(Student), 2012
SÖNMEZOĞLU A., Genelleştirilmiş nörlund toplanabilme metodu, Postgraduate, E.SERİN(Student), 2012

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

- I. **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)
- II. **Stationary optical solitons with cubic-quartic law of refractive index and nonlinear chromatic dispersion**
SÖNMEZOĞLU A., EKİCİ M., Biswas A.
PHYSICS LETTERS A, vol.410, 2021 (Journal Indexed in SCI)
- III. **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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)

- X. **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)
- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)

- XXV. **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)
- XXVI. **Highly dispersive optical solitons with Kerr law nonlinearity by F-expansion**
Biswas A., Ekicid M., SÖNMEZOĞLU A., Belic M. R.
OPTIK, vol.181, pp.1028-1038, 2019 (Journal Indexed in SCI)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **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)
- 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, vol.178, pp.59-65, 2019 (Journal Indexed in SCI)
- XXXI. **Optical solitons in birefringent fibers haying 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)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **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)
- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **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)
- XXXIX. **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)

- XL. **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)
- XLII. **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)
- XLIII. **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)
- XLIII. **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)
- XLIV. **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)
- XLV. **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)
- XLVI. **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)
- XLVII. **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)
- XLVIII. **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)
- XLIX. **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)
- L. **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)
- LI. **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)
- LII. **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)
- LIII. **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)
- LIV. **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)
- LV. 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)
- LVI. 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)
- LVII. 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)
- LVIII. 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)
- LIX. 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)
- LX. 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, vol.156, pp.784-790, 2018 (Journal Indexed in SCI)
- LXI. 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)
- LXII. 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)
- LXIII. 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)
- LXIV. Row-products of soft matrices with applications in multiple-disjoint decision making**
 KAMACI H., Atagun A. O. , SÖNMEZOĞLU A.
 APPLIED SOFT COMPUTING, vol.62, pp.892-914, 2018 (Journal Indexed in SCI)
- LXV. 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)
- LXVI. 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)
- LXVII. 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)
- LXVIII. 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)
- LXIX. **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)
- LXX. **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)
- LXXI. **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)
- LXXII. **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)
- LXXIII. **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)
- LXXIV. **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)
- LXXV. **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)
- LXXVI. **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)
- LXXVII. **Exact solitons of the coupled sine-Gordon equation in nonlinear system**
Ekici M., Zhou Q., Sonmezoglu A., Mirzazadeh M.
Optik, vol.136, pp.435-444, 2017 (Journal Indexed in SCI Expanded)
- LXXVIII. **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)
- LXXIX. **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)
- LXXX. **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)
- LXXXI. **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)
- LXXXII. **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)
- LXXXIII. **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)
- LXXXIV. **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)
- LXXXV. **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)
- LXXXVI. **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)
- LXXXVII. **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)
- LXXXVIII. **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)
- LXXXIX. **Exact solitary wave solutions to the generalized Fisher equation**
 Zhou Q., Ekici M., Sonmezoglu A., Manafian J., Khaleghizadeh S., Mirzazadeh M.
 Optik, vol.127, no.24, pp.12085-12092, 2016 (Journal Indexed in SCI Expanded)
- XC. **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)
- XC.I. **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)
- XC.II. **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)
- XC.III. **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)
- XC.IV. **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)
- XC.V. **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)
- XC.VI. **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)
- XC.VII. **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)
- XC.VIII. **Optical solitons with Biswas–Milovic equation by extended G'/G -expansion method**
 Zhou Q., Ekici M., Sonmezoglu A., Mirzazadeh M.
 Optik, vol.127, no.16, pp.6277-6290, 2016 (Journal Indexed in SCI Expanded)
- XC.IX. **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)
- C. **A NEW APPROACH FOR SOLITON SOLUTIONS OF RLW EQUATION AND (1+2)-DIMENSIONAL**

NONLINEAR SCHRODINGER'S EQUATION

Filiz A., Sönmezoğlu A., Ekici M., Duran D.

MATHEMATICAL REPORTS, vol.17, no.1, pp.43-56, 2015 (Journal Indexed in SCI)

- CI. **Exact solutions for some fractional differential equations**
Sonmezoglu A.
Advances in Mathematical Physics, vol.2015, 2015 (Journal Indexed in SCI Expanded)
- CII. **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)
- CIII. **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)
- CIV. **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)
- CV. **Application of the trial equation method for solving some nonlinear evolution equations arising in mathematical physics**
Gurefe Y., SÖNMEZOĞLU A., MISIRLI E.
PRAMANA-JOURNAL OF PHYSICS, vol.77, no.6, pp.1023-1029, 2011 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **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)
- II. **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)
- III. **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)
- IV. **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)
- V. **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)
- VI. **Constructing of exact solutions to the 2+1 dimensional breaking soliton equations by the multiple G'/G expansion method**
Ekici M., Duran D., Sönmezoğlu A.
J.Adv.Math.Stud., vol.7, no.1, pp.27-44, 2014 (Refereed Journals of Other Institutions)
- VII. **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)

- VIII. **Application of an irrational trial equation method to high dimensional nonlinear evolution equations**
GÜREFE Y., SÖNMEZOĞLU A., MISIRLI E.
J.Adv.Math.Stud., vol.5, no.1, pp.41-47, 2012 (Refereed Journals of Other Institutions)
- IX. **FOURIER SERİLERİNİN MUTLAK GENELLEŞTİRİLMİŞ NÖRLUND TOPLANABİLİRLİĞİ**
SÖNMEZOĞLU A., KAPLAN A. G.
CELAL BAYAR ÜN FEN BİLİMLERİ ENS:FEN BİLİM:ENS:DERGİSİ, vol.6, no.2, pp.83-88, 2010 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Improved Generalized F-expansion Method for the time Fractional Modified KdV(fmKdV) Equation**
SÖNMEZOĞLU A.
International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Greece, 23 - 29 September 2015, vol.1738
- II. **Exact Solutions of Nonlinear Schrodinger's Equation by using Generalized Kudryashov Method**
PANDIR Y., SÖNMEZOĞLU A., Duzgun H. H. , Turhan N.
International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Greece, 22 - 28 September 2014, vol.1648

Citations

Total Citations (WOS):2696

h-index (WOS):31