

## Prof. Dr. ABDULLAH SÖNMEZOĞLU

### Kişisel Bilgiler

E-posta: [abdullah.sonmezoglu@bozok.edu.tr](mailto:abdullah.sonmezoglu@bozok.edu.tr)

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

### Uluslararası Araştırmacı ID'leri

ORCID: 0000-0002-8973-6414

ScopusID: 54795960100

Yoksis Araştırmacı ID: 106561

### 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

Analiz IV, Lisans, 2023 - 2024  
Olasılık Teorisi, Lisans, 2023 - 2024  
Uzmanlık Alan Dersi, Yüksek Lisans, 2023 - 2024  
Tez Çalışması, Yüksek Lisans, 2023 - 2024  
Olasılık ve İstatistik II, Lisans, 2023 - 2024  
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Olasılık ve İstatistik I, Lisans, 2023 - 2024  
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## Yönetilen Tezler

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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)**  
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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**  
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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.  
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- VI. **Stationary optical solitons with Kudryashov's laws of refractive index**  
EKİCİ M., SÖNMEZOĞLU A., Biswas A.  
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- VII. **Stationary optical solitons with cubic-quartic law of refractive index and nonlinear chromatic dispersion**  
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- 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.  
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- X. **Optical solitons with Kudryashov's equation by extended trial function**  
Biswas A., EKİCİ M., SÖNMEZOĞLU A., Alshomrani A. S., Belic M. R.  
OPTİK, 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.  
OPTİK, 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**  
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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.  
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- 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.  
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- 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.  
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- XXI. **Optical solitons in birefringent fibers with four-wave mixing for quadratic-cubic nonlinearity by F-expansion**  
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- XXII. **Optical solitons in birefringent fibers with quadratic-cubic nonlinearity by extended Jacobi's elliptic function expansion**  
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- XXIII. **Soliton solutions and conservation laws of a (3+1)-dimensional nonlinear evolution equation**  
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- XXV. **Highly dispersive optical solitons with non-local nonlinearity by extended Jacobi's elliptic function expansion**  
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- XXVI. **Highly dispersive optical solitons in absence of self-phase modulation by exp-function**

- Biswas A, EKÍCÍ M., SÖNMEZOĞLU A., Belic M. R.  
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- XXVII. **Highly dispersive optical solitons with cubic-quintic-septic law by extended Jacobi's elliptic function expansion**  
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- XXVIII. **Optical solitons in birefringent fibers having anti-cubic nonlinearity with extended trial function**  
Biswas A, EKÍCÍ M., SÖNMEZOĞLU A., Belic M. R.  
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- XXX. **Highly dispersive optical solitons with Kerr law nonlinearity by F-expansion**  
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- XXXI. **Highly dispersive optical solitons with cubic-quintic-septic law by It Check for exp-expansion**  
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EKÍCÍ M., SÖNMEZOĞLU A.  
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- XXXVI. **Optical solitons and conservation law in birefringent fibers with Kundu-Eckhaus equation by extended trial function method**  
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- XXXVII. **Optical solitons in fiber Bragg gratings with dispersive reflectivity for parabolic law nonlinearity by extended trial function method**  
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- XL. **Chirped and chirp-free optical solitons with generalized anti-cubic nonlinearity by extended trial function scheme**  
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Yayın: 124

Atıf (WoS): 4249

Atıf (Scopus): 4012

H-İndeks (WoS): 41

H-İndeks (Scopus): 40