

## ÖZGEÇMİŞ

1. **Adı Soyadı:** Yakup YILDIRIM
2. **Doğum Tarihi:** 1 Ocak 1990
3. **Unvanı:** Doktor Öğretim Üyesi
4. **Öğrenim Durumu:** Doktora (Uygulamalı Matematik)

Derece	Alan	Üniversite	Yıl
Lisans	Matematik	Eskişehir Osmangazi Üniversitesi	2011
Y. Lisans	Matematik	Bursa Uludağ Üniversitesi	2015
Doktora	Matematik	Bursa Uludağ Üniversitesi	2019

### 5. Akademik Unvanlar:

- Yrd. Doç. Dr. Matematik (İngilizce) Yakındoğu Üniversitesi 2019-2022
- Doç. Dr. Matematik (İngilizce) Yakındoğu Üniversitesi 2022

### 6. Yönetilen Yüksek Lisans ve Doktora Tezleri

#### 6.1. Yüksek Lisans Tezleri

Yıldırım, Y.. “İkinci mertebeden adi diferensiyel denklemlerin ilk integralleri”, Bursa Uludağ Üniversitesi, 2019.

#### 6.2. Doktora Tezleri

Yıldırım Y.. “Oluşum tipi lineer olmayan parça türevli diferensiyel denklemlerin tam çözümleri”, Bursa Uludağ Üniversitesi, 2019.

### 7. Yayınlar

#### 7.1. Uluslararası hakemli dergilerde yayımlanan makaleler (SCI & SSCI & Arts and Humanities)

1. Yaşar, E., & Yıldırım, Y. (2015). A procedure on the first integrals of second-order nonlinear ordinary differential equations. The European Physical Journal Plus, 130, 1-5.
2. Yaşar, E., Yıldırım, Y., & Giresunlu, I. B. (2016). First integrals and analytical solutions of the nonlinear fin problem with temperature-dependent thermal conductivity and heat transfer coefficient. Pramana, 87, 1-9.
3. Yıldırım, Y., & Yaşar, E. (2017). An extended Korteweg–de Vries equation: multi-soliton solutions and conservation laws. Nonlinear Dynamics, 90, 1571-1579.
4. Yıldırım, Y., Yaşar, E., & Adem, A. R. (2017). A multiple exp-function method for the three model equations of shallow water waves. Nonlinear Dynamics, 89, 2291-2297.
5. Yıldırım, Y., Çelik, N., & Yaşar, E. (2017). Nonlinear Schrödinger equations with spatio-temporal dispersion in Kerr, parabolic, power and dual power law media: A novel extended Kudryashov's algorithm and soliton solutions. Results in physics, 7, 3116-3123.
6. Yıldırım, Y., & Yaşar, E. (2017). Multiple exp-function method for soliton solutions of nonlinear evolution equations. Chinese Physics B, 26(7), 070201.
7. Biswas, A., Yıldırım, Y., Yaşar, E., & Babatin, M. M. (2017). Conservation laws for Gerdjikov-Ivanov equation in nonlinear fiber optics and PCF. Optik, 148, 209-214.
8. Yaşar, E., Yıldırım, Y., Zhou, Q., Moshokoa, S. P., Ullah, M. Z., Triki, H., Biswas, A., & Belic, M. (2017). Perturbed dark and singular optical solitons in polarization preserving fibers by modified simple equation method. Superlattices and Microstructures, 111, 487-498.
9. Yıldırım, Y., & Yaşar, E. (2018). A (2+ 1)-dimensional breaking soliton equation: solutions and conservation laws. Chaos, Solitons & Fractals, 107, 146-155.

10. Yaşar, E., Yıldırım, Y., & Yaşar, E. (2018). New optical solitons of space-time conformable fractional perturbed Gerdjikov-Ivanov equation by sine-Gordon equation method. *Results in Physics*, 9, 1666-1672.
11. Biswas, A., Yaşar, E., Yıldırım, Y., Triki, H., Zhou, Q., Moshokoa, S. P., & Belic, M. (2018). Conservation laws for perturbed solitons in optical metamaterials. *Results in physics*, 8, 898-902.
12. Biswas, A., Yıldırım, Y., Yaşar, E., Zhou, Q., Moshokoa, S. P., & Belic, M. (2018). Optical soliton perturbation with quadratic-cubic nonlinearity using a couple of strategic algorithms. *Chinese journal of physics*, 56(5), 1990-1998.
13. Biswas, A., Yıldırım, Y., Yaşar, E., Triki, H., Alshomrani, A. S., Ullah, M. Z., Zhou, Q., Moshokoa, S. P., & Belic, M. (2018). Optical soliton perturbation with full nonlinearity for Gerdjikov–Ivanov equation by trial equation method. *Optik*, 157, 1214-1218.
14. Biswas, A., Yıldırım, Y., Yaşar, E., Triki, H., Alshomrani, A. S., Ullah, M. Z., Zhou, Q., Moshokoa, S. P., & Belic, M. (2018). Optical soliton perturbation with Gerdjikov–Ivanov equation by modified simple equation method. *Optik*, 157, 1235-1240.
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16. Biswas, A., Yıldırım, Y., Yaşar, E., Zhou, Q., Mahmood, M. F., Moshokoa, S. P., & Belic, M. (2018). Optical solitons with differential group delay for coupled Fokas–Lenells equation using two integration schemes. *Optik*, 165, 74-86.
17. Mirzazadeh, M., Yıldırım, Y., Yaşar, E., Triki, H., Zhou, Q., Moshokoa, S. P., Ullah, M. Z., Seadawy, A. R., Biswas, A., & Belic, M. (2018). Optical solitons and conservation law of Kundu–Eckhaus equation. *Optik*, 154, 551-557.
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20. Yaşar, E., Yıldırım, Y., & Adem, A. R. (2018). Perturbed optical solitons with spatio-temporal dispersion in  $(2+ 1)$ -dimensions by extended Kudryashov method. *Optik*, 158, 1-14.
21. Biswas, A., Yıldırım, Y., Yaşar, E., Zhou, Q., Moshokoa, S. P., & Belic, M. (2018). Sub pico-second pulses in mono-mode optical fibers with Kaup–Newell equation by a couple of integration schemes. *Optik*, 167, 121-128.
22. Biswas, A., Yıldırım, Y., Yaşar, E., Zhou, Q., Alshomrani, A. S., Moshokoa, S. P., & Belic, M. (2018). Dispersive optical solitons with Schrödinger–Hirota model by trial equation method. *Optik*, 162, 35-41.
23. Biswas, A., Yıldırım, Y., Yaşar, E., Zhou, Q., Alshomrani, A. S., Moshokoa, S. P., & Belic, M. (2018). Dispersive optical solitons with differential group delay by a couple of integration schemes. *Optik*, 162, 108-120.
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34. Biswas, A., Yildirim, Y., Yasar, E., Zhou, Q., Moshokoa, S. P., & Belic, M. (2018). Chiral solitons with Bohm potential by modified simple equation method and trial equation scheme. *Acta Phys. Pol. A*, 134(6), 1120-1125.
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39. Adem, A. R., Yildirim, Y., & Yaşar, E. (2019). Complexiton solutions and soliton solutions:  $(2+ 1)(2+ 1)$ -dimensional Date–Jimbo–Kashiwara–Miwa equation. *Pramana*, 92, 1-12.
40. Biswas, A., Yildirim, Y., Yasar, E., Zhou, Q., Moraru, L., Alshomrani, A. S., & Belic, M. R. (2019). Resonant optical soliton perturbation with full nonlinearity and time-dependent coefficients by trial equation method. *Journal of Optoelectronics and Advanced Materials*, 21(3-4), 213-221.
41. Yaşar, E., Yildirim, Y., & Khaliq, C. M. (2016). Lie symmetry analysis, conservation laws and exact solutions of the seventh-order time fractional Sawada–Kotera–Ito equation. *Results in physics*, 6, 322-328.
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### 7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (*Proceedings*) basılan bildiriler

1. Yakup Yıldırım, Optical soliton solutions with the third-order nonlinear Schrödinger equation by Riccati equation approach and sine-Gordon equation method, the 5th International Conference of Mathematical Sciences (ICMS 2021) held in Maltepe University, İstanbul Turkey on 23 - 27 June 2021.
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### 7.4. Yazılan uluslararası kitaplar veya kitaplarda bölümler

### 7.5. Ulusal hakemli dergilerde yayınlanan makaleler

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### 7.6. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

### 7.7. Diğer yayınlar

### 8. Projeler

### 9. İdari Görevler

### 10. Bilimsel ve Mesleki Kuruluşlara Üyelikler

### 11. Ödüller

### 12. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

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