



CURRICULUM VITAE

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Degree	Department/Program	University	Year
Doctorate	Bilgisayar Bilimleri	Atatürk University	2011
Master's Degree	Uygulamalı Matematik	Atatürk University	2006
Bachelor's Degree	Matematik	Atatürk University	2001

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

- A1.** Esen H., Seçer A., Ozisik M., Bayram M., "Revealing the optical soliton solution of the fourth-order perturbed Schrödinger–Hirota equation using Kudryashov’s law", *Pramana - Journal of Physics*, vol. 100, no. 2, 2026.
- A2.** Cinar M., Seçer A., Ozisik M., Bayram M., "Optical solitons of the perturbed Schrödinger–Hirota equation with Kudryashov’s law and spatio-temporal dispersion", *Boletín de la Sociedad Matemática Mexicana*, vol. 32, no. 1, 2026.
- A3.** Onder I., Seçer A., Ozisik M., Bayram M., "Pure-cubic form of the Nonlinear Schrödinger Model with the Polynomial Laws Excluding the Chromatic Dispersion via the New Kudryashov’s Integration Algorithm", *International Journal of Theoretical Physics*, vol. 65, no. 1, 2026.
- A4.** Durmus S. A., Seçer A., Ozisik M., Bayram M., "The quadratic–cubic law form of the perturbed Schrödinger equation in the absence of chromatic dispersion: Pure-cubic optical solitons via the new Kudryashov and Jacobi elliptic methods", *Modern Physics Letters A*, 2026.
- A5.** Zayed E. M., El-shater M., Murad M. A. S., Seçer A., Ozisik M., Arnous A. H., "Investigating broadly dispersive solitons in optical couplers for metamaterials with nonlinear cubic–quintic–septic dynamics and white noise using distinct integration approaches", *Physics Letters, Section A: General, Atomic and Solid State Physics*, vol. 539, 2025.
- A6.** Esen H., Seçer A., Ozisik M., Bayram M., "Concatenation model: having the parabolic law in the presence of chromatic and spatio-temporal dispersion and investigation of multiplicative white noise effect via Itô calculus", *European Physical Journal Plus*, vol. 140, no. 4, 2025.
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- A9.** Zayed E. M. E., Alurfi K. A. E., Hasek A. M. M., Arnous A. H., Seçer A., Ozisik M., Bayram M., Kumar S., "Perturbations of optical solitons in magneto-optic waveguides incorporating multiplicative white noise and sixth-order dispersion: a study of the Sasa–Satsuma equation", *Pramana - Journal of Physics*, vol. 99, no. 1, 2025.

- A10.** Onder I., Seer A., Ozisik M., Bayram M., "Retrieval of the optical soliton solutions of the perturbed Schrödinger–Hirota equation with generalized anti-cubic law nonlinearity having the spatio-temporal dispersion", *Mathematical Methods in the Applied Sciences*, vol. 48, no. 2, pp. 2164-2178, 2025.
- A11.** Altun S., Ozisik M., Seer A., Bayram M., Aydın H., "Optical dromions with multiplicative white noise", *Engineering Computations (Swansea, Wales)*, vol. 42, no. 8, pp. 1-15, 2025.
- A12.** Seer A., "The perturbed Fokas-Lenells equation with Kudryashov's law of self-phase modulation having the spatiotemporal dispersion", *EUROPEAN PHYSICAL JOURNAL PLUS*, vol. 140, no. 11, 2025.
- A13.** Onder I., Seer A., Ozisik M., Bayram M., "Revealing the Bright Soliton Solution of the Perturbed Fourth-Order Schrödinger-Hirota Equation Having Cubic-Quintic-Septic Laws and Modulation Instability", *Mathematical Methods in the Applied Sciences*, 2025.
- A14.** Mohammed W. W., Ozdemir N., Seer A., Ozisik M., Bayram M., Radwan T., Ahmed K. K., "Modulation instability and soliton families of the complex Ginzburg-Landau equation having the parabolic with nonlocal law of self-phase modulation", *AIMS Mathematics*, vol. 10, no. 8, pp. 18321-18336, 2025.
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- A16.** Ozisik M., Ozdemir N., Seer A., Bayram M., Cakicioglu H., "On the soliton solutions of the stochastic Schrödinger-Hirota equation with Kerr law and spatio-temporal dispersion", *International Journal of Geometric Methods in Modern Physics*, 2025.
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- A25.** Seer A., Ozisik M., Bayram M., Ozdemir N., Cinar M., "Investigation of soliton solutions to the Peyrard-Bishop-Deoxyribonucleic-Acid dynamic model with beta-derivative", *Modern Physics Letters B*, vol. 38, no. 27, 2024.
- A26.** Zayed E. M., El-horbaty M. M., El-shater M., Arnous A. H., Seer A., Shah N. A., Chung J. D., "Impact of high dispersion and cubic-quintic-septic nonlinearity on optical solitons perturbations of the resonant nonlinear Schrödinger equation with multiplicative white noise", *Ain Shams Engineering Journal*, vol. 15, no. 9, 2024.
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- A38.** Albayrak P., Ozisik M., Seçer A., Bayram M., Das S. E., "Optical solitons of stochastic perturbed Radhakrishnan–Kundu–Lakshmanan model with Kerr law of self-phase-modulation", *Modern Physics Letters B*, vol. 38, no. 15, 2024.
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- A40.** Cinar M., Seçer A., Sajjad Hashemi M., Ozisik M., Bayram M., "A comprehensive analysis of Fokas–Lenells equation using Lie symmetry method", *Mathematical Methods in the Applied Sciences*, vol. 47, no. 7, pp. 5819–5830, 2024.
- A41.** Durmus S. A., Ozdemir N., Seçer A., Ozisik M., Bayram M., "Bright soliton of the third-order nonlinear Schrödinger equation with power law of self-phase modulation in the absence of chromatic dispersion", *Optical and Quantum Electronics*, vol. 56, no. 5, 2024.
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C. National/international books written or chapters in books:

C1. National/international books written:

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