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## Special Issue on Integrable Systems, Solitons and Nonlinear Waves

### Call for Papers

Integrable Systems, Solitons and Nonlinear Waves (ISSNW) constitutes a deeply interconnected branch of mathematical physics and applied mathematics devoted to the study of nonlinear dynamical systems that admit exact analytical solutions, the solitary wave structures (solitons) that emerge from the delicate balance between nonlinearity and dispersion, and the broader phenomenology of nonlinear wave propagation across physical, biological, and engineering contexts. The goal of this special issue is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in this area of **Integrable Systems, Solitons and Nonlinear Waves**.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **Integrable Systems, Solitons and Nonlinear Waves**. In this special issue, potential topics include, but are not limited to:

- Classical Integrable Systems
- Quantum Integrable Systems & Bethe Ansatz
- Inverse Scattering Transform (IST) & Spectral Theory
- Soliton Theory: Classical Solitons
- Optical Solitons & Nonlinear Fiber Optics
- Plasma Solitons
- Bose–Einstein Condensate (BEC) Solitons & Quantum Solitons
- Integral and integro-differential equations
- Integrable Turbulence & Rogue Waves
- Nonlinear Water Waves & Geophysical Fluid Dynamics
- Discrete Integrable Systems & Integrable Lattice Models

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue – Integrable Systems, Solitons and Nonlinear Waves**” should be selected during your submission.

Special Issue timetable:



**Scientific Research**  
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**Journal of Applied  
Mathematics and Physics**  
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**Guest Editor:**

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