



## Special Issue on Computational Physics and Its Applications

### Call for Papers

Computational Physics and Its Applications is a research field that focuses on the application of computational methods, algorithms, and simulations to solve complex problems in physics. It involves the use of computer-based numerical methods and modeling techniques to study and analyze physical phenomena that are difficult or impossible to solve analytically. 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 **computational physics and its applications**.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **computational physics and its applications**. In this special issue, potential topics include, but are not limited to:

- First order differential equations
- Spectral theory of differential operators
- Second order linear equations
- The Laplace transform method
- Power series solutions
- Systems of linear differential equations
- Autonomous systems and stability
- Computer simulation and data mining/analysis
- Boundary value problems
- Computational condensed matter physics

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 - Computational Physics and Its Applications**” should be selected during your submission.

Special Issue timetable:

Submission Deadline	February 28th, 2024
Publication Date	April 2024

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