



Special Issue on Numerical Methods and Mathematical Modeling

Call for Papers

Numerical Methods and Mathematical Modeling addresses the development and application of computational techniques for formulating, analyzing, and solving mathematical problems arising in science, engineering, economics, and other quantitative disciplines. The topic includes numerical algorithms for differential equations, linear and nonlinear systems, optimization, approximation, interpolation, numerical integration, and computational simulation, together with mathematical models for describing complex physical, biological, industrial, and social phenomena. It provides practical frameworks for transforming theoretical formulations into reliable computational solutions, with emphasis on accuracy, stability, efficiency, validation, and the interpretation of numerical results.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Numerical Methods and Mathematical Modeling**. Potential topics include, but are not limited to:

- Numerical analysis
- Numerical linear algebra
- Differential equations
- Partial differential equations
- Numerical optimization
- Approximation theory
- Interpolation methods
- Numerical integration
- Computational geometry
- Mathematical modeling
- Computational simulation
- Finite element methods
- Finite difference methods
- Finite volume methods
- Nonlinear numerical methods
- Uncertainty quantification

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 - Numerical Methods and Mathematical Modeling**” should be selected during your submission.

Special Issue Timetable:

Submission Deadline	January 15th, 2027
Publication Date	March 2027

Guest Editor:

For further questions or inquiries, please contact Editorial Assistant at papersubmissionmcy@gmail.com