



Special Issue on Applied Numerical Analysis

Call for Papers

Applied Numerical Analysis focuses on developing and implementing numerical algorithms to solve mathematical problems in various fields such as engineering, physics, economics, and computer science. It aims to provide efficient and accurate approximate solutions to mathematical models that may involve complex equations or large datasets, where exact solutions may not be easily obtainable. 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 the area of numerical analysis.

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

- Boundary value problems
- Numerical methods
- Numerical algorithms
- Monte Carlo simulation
- Mathematical modeling
- Finite difference method
- Finite element method
- Numerical linear algebra
- Numerical optimization
- Numerical differential/integral equations
- Computational mathematics
- Computational physics
- Computational engineering
- Numerical simulation
- Numerical analysis (PDEs, ODEs, integral equations, stochastic models)
- Numerical approximation
- Numerical methods for nonlinear problems
- Numerical methods for inverse problems
- Numerical methods for optimization problems
- Numerical methods for signal processing
- Numerical methods for machine learning

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 - *Applied Numerical Analysis***” should be selected during your submission.

Special Issue Timetable:

Submission Deadline	April 25th, 2024
Publication Date	June 2024

Guest Editor:

For further questions or inquiries, please contact Editorial Assistant at am@scirp.org.