



Special Issue on
Computational Mathematics and Its Applications

Call for Papers

Mathematical models and methods arise in a wide variety of fields, including business and finance, data science, engineering, science, machine learning, and medicine. The application of mathematics-inspired computational methods and models has revolutionized these fields and is one of the most significant achievements of the computer age and the data age. 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 mathematics and its applications**.

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

- Computational linguistics
- Computational algebraic geometry
- Computational group theory
- Computational geometry
- Computational number theory
- Computational topology
- Computational statistics
- Analysis of mathematical models
- Numerical algorithms
- Numerical methods of PDEs
- Computational intelligence
- The efficiency, accuracy and stability of numerical computations
- Scalability of numerical algorithms to very large data
- The implications of imprecision and round-off errors
- The effects of modern developments in computer architectures and networks
- Discretization methods and numerical analysis for PDEs

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 Mathematics and Its Applications**” should be selected during your Submission.



Special Issue timetable:

Submission Deadline	July 23rd, 2024
Publication Date	September 2024

Guest Editor:

For further questions or inquiries
Please contact the Editorial Assistant at
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