Special Issue

Numerical Analysis and Mathematical Modeling in Computational Mechanics and Engineering

Message from the Guest Editor

Numerical analysis and mathematical modeling are important and powerful tools in scientific research and are widely applied in many fields. Additionally, the development of big data analytics has become an extremely significant trend in the technology sector in recent years. With the rapid increase in data volume, extracting value and insights from data has become crucial. This Special Issue aims to cover the latest developments in numerical analysis and mathematical modeling, as well as their applications in computational mechanics and engineering. Topics listed below, as well as other related topics, are welcome:

- Development and application of numerical methods;
- Development and application of mathematical modeling;
- High-performance computing;
- Multiphysics problems;
- Multiscale modeling;
- Big data analytics and machine learning.

Guest Editor

Dr. Chung-Lun Kuo

Center of Excellence for Ocean Engineering, National Taiwan Ocean University, Keelung 202301, Taiwan

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

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