





an Open Access Journal by MDPI

Numerical Simulation and Computational Methods in Engineering and Sciences

Guest Editors:

Prof. Dr. Zhuojia Fu

College of Mechanics and Materials, Hohai University, Nanjing 210098, China

Prof. Dr. Yiqian He

Department of Engineering Mechanics, Dalian University of Technology, Dalian 116024, China

Prof. Dr. Hui Zheng

School of Civil Engineering and Architecture, Nanchang University, Nanchang 330031, China

Deadline for manuscript submissions:

closed (30 January 2024)

Message from the Guest Editors

Dear Colleagues,

During the past several decades, numerical simulation has been increasingly used as an important and powerful tool for solving science and engineering problems, thanks to the rapid development of computer technology and advanced computational methods. This Special Issue will present recent research results on numerical simulation and computational methods in engineering and sciences.

You are invited to submit original research or review papers to this Special Issue, which will include papers in the areas of computational mechanics, computational physics, computational chemistry, and computational biology, pertinent to solids, fluids, gases, biomaterials, and other continua. Various length scales and various time scales are of interest. Papers which deal with multi-physics problems, as well as those which deal with the interfaces of mechanics, chemistry, and biology, are particularly encouraged. New computational approaches and more efficient algorithms which eventually make near-real-time computations possible are welcome. Original papers dealing with new methods such as meshless methods and mesh-reduction methods are also welcome.











an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The iournal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering sociology. particularly those that and 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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

Journal Rank: JCR - Q1 (*Mathematics*) / CiteScore - Q1 (*General Mathematics*)

Contact Us