



Mathematical, Computational and Numerical Modeling of Molecular Biomedicine

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Message from the Guest Editor

The legislation on the use of laboratory animals has become more stringent over the past years and a lot of progress has been made in the field of alternative methods to animal testing, and many valuable assays have been developed. One of the alternative methods is computational and numerical simulation. This Special Issue aims to explore and highlight the latest pertinent and innovative studies related to mathematical, computational, and numerical methods of molecular biomedicine. Some related topics:

- Computational fluid dynamics (CFD) in biomedical applications;
- Computational and mathematical simulation in molecular science;
- Mathematical approaches in the biomolecular field;
- Drug delivery and molecular systems;
- Fluid dynamics, heat transfer, and molecular science;
- Thermal molecular science;
- Numerical methods in biomedicine;
- Nanomedicine;
- Biomaterials;
- Biomechanics;
- Analytical methods in medical applications;
- Multidisciplinary problems between engineering and medicine;
- Aerosol and particle technology in biomolecular and biomedical sciences.





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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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