Computation

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Message from the Editor-in-Chief

You are invited to submit the results of your research for consideration and publication in *Computation*, an international open access journal, which is published monthly online by MDPI. The editorial board and staff of *Computation* are dedicated to establishing a benchmark journal for the world scientific and engineering communities for original research articles, reviews, conference proceedings (i.e., peer reviewed full articles), and communications, in the cutting-edge areas of computational biology, computational chemistry, computational social science and computational engineering.

Aims

Computation (ISSN 2079-3197) is an international open access journal of computational science and engineering. It focuses on publishing regular research papers and reviews.

The aim of *Computation* is to encourage scientists to publish their experimental and theoretical research in as much detail as possible. There is no restriction on the maximum length of the papers. Full experimental details should be provided so that the results can be reproduced.

There are, in addition, unique features of this journal:
- manuscripts regarding research proposals and research ideas will be particularly welcomed
- computed data or files regarding the full details of the experimental procedure, if unable to be published in a normal way, can be deposited as supplementary material
- manuscripts concerning summaries and surveys on research cooperation and projects (that are founded by national governments or others) provide information for a broad field of users

Scope

Topics of interest include, but are not limited to:
- Computational biology:
  - bioinformatics
  - mathematical modeling, simulation and prediction of nucleic acid (DNA/RNA) and protein sequences, structure and functions
  - mathematical modeling of pathways and genetic interactions
  - neuroscience computation including neural modeling, brain theory and neural networks
- Computational chemistry:
  - new theories and methodology including their applications in molecular dynamics
  - computation of electronic structure
  - density functional theory
  - designing and characterization of materials with computation method
- Computational engineering:
  - new theories, methodology and the application of computational fluid dynamics (CFD)
  - optimisation techniques and/ or application of optimisation to multidisciplinary systems
  - system identification and reduced order modelling of engineering systems
  - parallel algorithms and high performance computing in engineering
- Computational social science:
  - computational methods in economic modeling and risk management
  - computational modeling and simulation of epidemic infectious diseases
  - theoretical and applied research on sociological models
  - natural language processing (NLP) and computational linguistics
  - computational intelligence in business
  - computational methods in management analytics

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Rapid Publication
A first decision is provided to authors approximately 16.7 days after submission; acceptance to publication is undertaken in 5.6 days (median values for papers published in this journal in the first half of 2025)

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