

Computational Mathematics and Computer Modeling with Applications (CMCMA)

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# **Aims and Scope**

Computational Mathematics and Computer Modeling with Applications is an international journal published by Shahid Beheshti University, Tehran, Iran, free of page charges. The purpose of the journal is to provide a forum for the publication of high quality research and tutorial papers in modelling, applied and computational mathematics.

The following are the principal areas of interest of the journal:

- Tensor computations and applications
- Numerical linear algebra
- Application of methods of numerical linear algebra in science, engineering and economics
- Machine learning
- Numerical optimization
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- Iterative methods for nonlinear equations
- Fast numerical algorithms
- Parallel computations
- Numerical solutions of PDEs
- Theory and computations of non-local modelling and fractional partial differential equations
- Imaging algorithms, deep neural network configurations and vision restorations
- Stochastic partial differential equations
- Computational finance and applications
- Computational medicine, biomedicine and epidemiology
- Inverse problems and data analysis
- Modeling using PDEs
- Analysis of mathematical models, formulated in terms of PDEs
- Discretization methods and numerical analysis for PDEs
- Verification and validation
- Interpolation and approximation
- Integral equations

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Submissions should be sent online in the web site: https://cmcma.sbu.ac.ir/ and by emailing the PDF file of your manuscripts to the Director-in-Charge (**Masoud Hajarian**) at: cmcma@sbu.ac.ir.

**LaTeX:** A **LaTeX template** is available for this journal. Please save the LaTeX template to your hard drive and open it. You are recommended to use LaTeX template to prepare your manuscript and **BibTeX** to generate your bibliography.

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After the **Director-in-Charge** approves that a submitted paper meets the aims and scope of the journal, it will be sent to one or two experts, advised by the **Editorial Board**, to review it. The refereeing should be completed in three months, unless the paper is longer than 15 pages.

Based on the referee's report, the **Editorial Board** decides on the paper as:

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