

Special Issue

Mathematical Models and Simulations, 2nd Edition

Message from the Guest Editor

This Special Issue is a continuation of our previous Special Issue, entitled "Mathematical Models and Simulations". Mathematical models constitute a fundamental tool for the understanding of physical phenomena, biological systems, and finance and engineering. In addition to theoretical aspects, simulations play a primary role in applications, because they allow for the prediction of the behavior of quantities of interest. Submissions on (but not limited to) the following topics are welcome:

- Mathematical models;
- Ordinary differential equations;
- Partial differential equations;
- stochastic processes;
- Stochastic differential equations;
- Finite difference schemes;
- Finite volume schemes;
- Finite element method;
- Discontinuous galerkin method;
- Monte carlo method.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Axioms is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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