



Development and Applications of Multi-Scale Mathematical Models in Cardiology

Guest Editor:

Dr. Rafael Sebastian

Computational Multiscale
Simulation Lab (CoMMLab),
Escola Tècnica Superior
d'Enginyeria (ETSE-UV),
Universitat de València, 46010
València, Spain

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Message from the Guest Editor

The purpose of this special issue is to establish the current state-of-the art in mathematical modeling of the heart that can lead to the digital twin concept, taking into account the final purpose of each type of model, as well as their advantages and applications in medicine. Of special interest are research papers that deal with multi-scale biophysical models, mathematical models that are validated for translation into real clinical environments, and simplified phenomenological models that are accurate and can deliver results in times compatible with clinical environments.





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 journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that 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.

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MDPI, St. Alban-Anlage 66
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