



Mathematical Modelling in Biomedicine III

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Message from the Guest Editors

Mathematical modeling in biomedicine is a rapidly developing scientific field due to its importance for fundamental scientific research and applications in public health. Cardiovascular diseases, cancer, and infectious diseases are the main causes of mortality and morbidity in the world, and they represent major challenges for society. Mathematical modeling of physiological processes in normal and pathological situations can help to understand the underlying processes and to develop an efficient treatment. Despite considerable progress in this area during the last decade, many questions remain open because of their complexity and interpatient variability.

The purpose of this Special Issue is to present the state of the art in mathematical modeling of cardiovascular diseases, cancer, immunology, and infectious diseases, and other topics related to normal and pathological human physiology. Mathematical analysis, numerical methods, and scientific computing of biomedical models will also be considered.





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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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