

Special Issue

Mathematical and Computational Models in Biomedical Science and Engineering (3rd Edition)

Message from the Guest Editors

Mathematical modeling in biomedical engineering plays a vital role in understanding complex multidisciplinary interactions and processes at the organ, tissue, and cellular scales. Mathematical modeling serves as a low-cost but powerful alternative for optimizing, predicting, and improving existing healthcare protocols, systems, and equipment. This Special Issue aims to collect original research articles related to the advancement and development of novel mathematical models broadly applied across biomedical engineering and medical physics, including diagnostic, therapeutic, imaging, and interventional applications. Review articles relevant to the overall scope of this Special Issue are also welcome.

Guest Editors

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Prof. Dr. Roderick Melnik

Dr. Robert Gilmour

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie
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