

Special Issue

Computational Modeling in Biology and Medicine

Message from the Guest Editor

Mathematical and computational modeling is an important field in the understanding of biological processes at multiple scales. Mathematics and computational modeling can be used to create qualitative and quantitative predictions of biological phenomena, and/or applied to understand the complexity of population dynamics. This Special Issue is designed to focus on theoretical ideas and models associated with recent developments in biology and medicine. Papers are expected to present a major research finding of broad significance for biological and medical sciences, or mathematical/computational biology. Papers that bear significant importance to biology and include some data, statistical data analysis, mathematical proof, or computer simulations will be considered. The Special Issue welcomes original research articles, short communications, and review articles in the subject area described above.

Guest Editor

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

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