Special Issue

Latest Research in Mathematical Modeling in Cancer Research

Message from the Guest Editor

This Special Issue focuses on the application of mathematical and computational techniques across various scientific disciplines, including biology, chemistry, and physics. We are particularly interested in mathematical modeling related to cancer treatment, emphasizing the interaction between cancerous tumors, the immune system, and therapeutic approaches such as chemotherapy and immunotherapy.

The scope of this Special Issue includes mathematical models for various cancer types, including bladder cancer, breast cancer, prostate cancer, liver cancer, brain cancer, and cervical cancer. Research contributions should employ innovative numerical methods, semi-analytical approaches, analytical techniques, or asymptotic methods to analyze these models.

Additionally, this Special Issue welcomes contributions that explore the role of machine learning in cancer research, particularly in handling and analyzing large datasets related to tumor growth, treatment outcomes, and patient responses.

We invite researchers to submit high-quality original work that advances the mathematical and computational understanding of cancer treatment.

Guest Editor

Dr. Ophir Nave

1. Department of Mathematics, Faculty of Science, Jerusalem College of Technology, Jerusalem 91160, Israel
2. Faculty of Computer Science, College of Management Academic Studies, Rishon LeTsiyon 75190, Israel

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Prof. Dr. Oliver Schütze
Depto de Computacion, Cinvestav, Mexico City 07360, Mexico

Prof. Dr. Gianluigi Rozza
SISSA mathLab, International School for Advanced Studies, Office A-435, Via Bonomea 265, 34136 Trieste, Italy

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