

Special Issue

Modeling and Mechanical Behavior of Advanced Biomaterials

Message from the Guest Editors

This Special Issue on the "Modeling and Mechanical Behavior of Advanced Biomaterials" will be a comprehensive and insightful collection of research articles and review papers that delves into the fascinating world of biomaterials and their mechanical properties. This Special Issue will be a valuable resource for researchers, engineers, and professionals working in areas such as materials science, biomechanics, biomedical engineering, and computational engineering. This Special Issue will cover a diverse range of topics, including:

- Numerical approaches applied in biomaterials;
- Modeling of tissue-engineered scaffolds;
- Mechanical characterization of biodegradable materials;
- Design of orthopedic implants;
- Interdisciplinary collaboration in biomaterials research.

Guest Editors

Dr. Mariusz Ptak

Dr. Kamil Sybilski

Dr. Katarzyna Szepietowska

Deadline for manuscript submissions

closed (10 January 2025)



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About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Editor-in-Chief

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