



Biomechanics of Contemporary Implants and Prosthesis: Modeling, Experiments, and Clinical Application

Guest Editor:

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Message from the Guest Editor

A deeper understanding of the technological processes of implants, and the mechanobiological interaction of implants and organisms will potentially allow us to raise the level of medical treatment.

In this Special Issue, modern trends of the biomechanics of contemporary implants and prostheses, including experimental and mathematical modeling and clinical application, are highlighted and discussed.

I am pleased to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

Topics of interest include (but are not limited to):

- New methods of design implants and prosthesis;
- Digital solutions for the patient-based treatment;
- CT and MRI based biomechanical simulation;
- Usage of biomaterials for implants and prosthesis;
- Research of biocompatibility for implants and prosthesis;
- Usage metamaterial for implants;
- Influence of the patient's biomechanics on implant loading





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Message from the Editor-in-Chief

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