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

Guest Editor:

Dr. Oskar Sachenkov

N.I. Lobachevsky Institute of
Mathematics and Mechanics,
Kazan Federal University, 420008
Kazan, Russia

Deadline for manuscript
submissions:
closed (15 July 2022)

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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Special Issue



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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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