

Special Issue

Polymeric Materials or Biomechanics for Medical Devices and Implants

Message from the Guest Editor

Dear colleagues Among the medical devices and implants used in clinical treatment, the material and structure design of implants is very important for the research and development of medical devices. Biomechanical analysis is often used to optimize implant design for medical devices and implants. Therefore, in vivo/in vitro, biomechanical experiments, or computer-aided engineering are often used by medical device researchers to design implants or medical devices. In such cases, finite element analysis (FEA) plays an important role, usually through a process of implant design, modeling, and simulation to optimize implant design and materials. In addition, 3D printing also plays an important role in the design and application of medical devices and implants. Therefore, this Special Issue aims to develop more suitable structures and materials for the design of medical devices or implants through biomechanical analysis and evaluation. In addition, 3D printing technology can also be used in medical applications for good clinical applications.

Guest Editor

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker

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