



Biomedical Modelling and Biomechanics of Polymer Materials

Guest Editor:

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Message from the Guest Editor

Biomaterials play an important role in organ repair, tissue engineering and regenerative medicine. Among biomaterials, polymer materials are a large family including natural and synthetic polymer materials comprising several thousand types. The key properties of polymer biomaterials (e.g., biosafety, functionality and biocompatibility) depend on both the composite and structure of the polymers. To develop more suitable polymer biomaterials for human health, it is necessary to investigate the biomedical modelling and biomechanics behind the polymer materials' synthesis and processing. We especially encourage the submission of papers describing investigations related to new and promising polymer biomaterial processing techniques such as additive manufacturing. Accordingly, this Special Issue seeks to showcase research papers, short communications, and review articles that cover but are not limited to experiments and/or simulations on biomedical modelling and biomechanics of polymer materials for biomedical aims.





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