

Special Issue

Preclinical Evaluation of Biomaterials and Medical Devices for the Musculoskeletal System

Message from the Guest Editors

In the orthopaedic field, the advancement of biomedical technology and the use of implant biomaterials for prosthetic surgery, implantology and osteosynthesis have resulted in great developments for patients, improving their quality of life, relieving pain, and allowing for healthy and better ageing. Taking into account that the development of a new biocompatible material is a “multidisciplinary” approach, this Special Issue encourages the submission of original basic, translational research and review articles focused on, but not limited to, *in silico*, *in vitro* and/or *in vivo* preclinical tests necessary to establish the safety, feasibility, biocompatibility and efficacy of innovative biomaterials and medical devices for orthopaedic applications. Moreover, we also encourage the submission of works on methods/techniques that may support the traditional regulatory steps for the evaluation of new biomaterials and medical devices.

Guest Editors

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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