



Advances in Machining of Biomedical Tissues

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Message from the Guest Editors

Dear Colleagues,

Machining of biomedical tissues is a common procedure in the medical field. Efficiency, mechanical stress, and precision are crucial parameters in the machining of tissues, such as bone, because they strongly influence the postoperative results. At present, the machining technique has been improved by the development of new devices to reduce the time and increase the accuracy. In addition, the deformation of material during the machining has been well predicted with computational simulation (e.g., FEM).

This Special Issue aims to explore and share new emerging concepts and technologies in the machining of biomedical tissues. Topics of interest include (but are not limited to) the following:

- Machining of biomedical tissues
- New concepts of surgical and clinical devices for bone and soft tissue
- Phenomena during machining
- Long-term follow-up studies on tissue regeneration
- Medical image analysis for bio-machining; navigation systems
- Biomedical applications of robotics
- Sensor technology
- Artificial intelligence and machine learning





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Message from the Editor-in-Chief

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