

Special Issue

Recent Progress in Biotribology, Biomaterials and Related Mechanical Measurements

Message from the Guest Editor

Nowadays, aspects of tribology concerned with biological systems and tribological properties of implantable biomaterials are extremely important, especially in situations where there is relative movement between the implanted biomaterials or between the implanted biomaterial and the natural tissue in physiological environments. This Special Issue aims to present a collection of manuscripts which may address, but not be limited to, the following topics: (1)

Experimental methods and mechanical measurements for characterizing the biotribology and biotribocorrosive properties of implantable biomaterials (2) New emerging biomaterials for implantable clinical applications (3) New emerging techniques for implantable clinical applications (4) In silico (bio) tribological and (bio) tribocorrosion models of artificial implants (5) Biomechanical modeling of the human body for determining the load conditions for artificial joints (6) Surface modification for reduction of biotribology or biotribocorrosion of biomaterials (7) Injected nanomaterials with enhanced lubrication properties

Guest Editor

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Deadline for manuscript submissions

closed (10 December 2021)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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