

## Special Issue

# Biomaterials Used in Clinical Practice and Their Tribological Behaviours Assessed In Vitro, In Silico, and In Vivo

### Message from the Guest Editor

Joint replacement surgeries (hip, knee, ankle, etc.) are a successful and consolidated branch of orthopedics. The progressive achievement in alleviating pain and disability helps patients to return to an active life.

Research in new biomaterials plays an important role, and as a consequence, in vitro and in silico tests for such materials are of great importance. The knowledge of the laboratory wear rate is an important aspect in the preclinical validation of prostheses. Research and development of wear-resistant materials continues to be a high priority in order to evaluate the performance of new materials intended to reduce wear, which is essential to ascertaining their efficacy and preventing the possibility of unexpected failure. Obviously, wear tests have a long duration, and they are very expensive.

For more information, please click the following link:

[https://www.mdpi.com/journal/materials/special\\_issues/biomaterials\\_clinical\\_practice](https://www.mdpi.com/journal/materials/special_issues/biomaterials_clinical_practice)

### Guest Editor

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### Deadline for manuscript submissions

closed (20 February 2022)



## Materials

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### Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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### Editor-in-Chief

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