Special Issue

Mechanical Properties of Biological Materials: From Structure to Function

Message from the Guest Editor

In this Special Issue of Materials, we focus on the mechanical properties of biological structures in the context of function and review the current understandings of physical modifications (e.g., multiscale architectural arrangements, heterogeneities, and gradients) in biological structures. This Special Issue covers the following topics:

- Mechanical response of biological materials;
- Bioinspired functional materials;
- Advances in structural and mechanical characterizations;
- Architecture/property/function interrelations in biological structures.

We cordially invite you to submit your original papers, communications, or review articles to this Special Issue titled "Mechanical Properties of Biological Materials: From Structure to Function".

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2021)

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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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