

Special Issue

Advances in Biomimetic Composites and Design

Message from the Guest Editor

The Special Issue mainly contains

- Mechanical behaviour and properties of natural biological materials, or engineered biomimetic materials;
- Characterisation of biomimetic composites or biological materials in relation to mechanical behaviour;
- Fracture, failure and plasticity of biomimetic materials or biological materials;
- Geometrical design of biological materials or biomimetic materials in relation to mechanical behaviour;
- The design of biomimetic materials or natural biological joints in relation to mechanical behaviour;
- 3D Printing/additive manufacturing of biomimetic geometries, biomimetic joints, or the geometrical design of biomimetic composites;
- Mechanical behaviour of cellular solids;
- Long-term fatigue/creep/wear of engineered biomimetic composites or natural biological materials;
- Novel measurement and modelling techniques to determine the mechanical behaviour and properties of engineered biomimetic composites and natural biological materials;
- Correlations between morphology/geometry and mechanics in terms of properties and behaviour.

Guest Editor

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Deadline for manuscript submissions

closed (20 July 2023)



Materials

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Impact Factor 3.2
CiteScore 6.4
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About the Journal

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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