

Special Issue

Mechanical Metamaterials and Additive Manufacturing

Message from the Guest Editors

This Special Issue focuses on the intersection of mechanical metamaterials and additive manufacturing, highlighting innovations in the design, fabrication, development, and practical application of these materials. The scope of this Special Issue includes, but is not limited to, the following topics:

- (1) The design and computational modelling of mechanical metamaterials;
- (2) Advances in AM techniques for metamaterials (e.g., multi-material, 4D printing);
- (3) Dynamic, adaptive, or programmable metamaterials;
- (4) Lightweight and energy-absorbing structures for industrial applications;
- (5) Biomechanical metamaterials for medical devices or implants;
- (6) The characterization of mechanical, thermal, or acoustic properties;
- (7) Scalable manufacturing and post-processing strategies;

We look forward to receiving your contributions and advancing this transformative field.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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