Special Issue

Processing–Microstructure–Properties Loop in Materials and Metallurgical Engineering

Message from the Guest Editor

The aim of this Special Issue is to bring together papers that address the mutual relationships between processing-microstructure, microstructure-properties and properties-processing in the field of Materials and Metallurgical Engineering. Theoretical and experimental works that demonstrate an apparent improvement in the resulting mechanical properties of the materials under investigation are especially welcome. The processing can involve powder metallurgy, including all ways of consolidation, casting, and thermal and thermomechanical treatment. The characterization of microstructure and mechanical properties can involve all classical as well as progressive methods.

Guest Editor

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Deadline for manuscript submissions

closed (20 May 2025)

Materials

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Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/107189

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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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