Special Issue

Superalloys–Currents Trends in Development of Their Microstructure and Properties

Message from the Guest Editor

Superalloys are metallic alloys (nickel-, cobalt- and iron-based) capable of being used at high temperatures, often in excess of 0.7 of their absolute melting temperature. The scope of this forthcoming Special Issue will focus on recent innovative and pioneering works in the field of metallurgy and processing, structure and microstructure examination, and the development of the operational properties of superalloys. I invite our colleagues to submit a manuscript to this Special Issue, which can be in the form of a full research paper, communication, or review. Keywords

- superalloys
- directional solidification
- single-crystals
- microstructure characterization
- creep resistance

Guest Editor

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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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