Special Issue

Innovative Technologies and Materials for High-Performance Components – Volume II

Message from the Guest Editors

The need to obtain components with excellent properties in many industrial fields is a critical issue. Papers related to the advancement of the in-depth understanding of the relationship between manufacturing processes and the resulting properties of components are welcome. The scope of the present Special Issue includes, but is not limited, to: research related to innovative technologies, manufacturing processes and materials for high-performance components. Contributions may be related to conventional or unconventional processes, highlighting novelty aspects of processing, manufacturing, coating technology and materials able to obtain high-performance components. In addition, computation methods (such as mathematical modeling, simulation, machine learning, optimization and control) for the estimation of the resulting material properties can also be treated. Articles are also welcome on sustainability and reducing environmental impact.

Guest Editors

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Deadline for manuscript submissions

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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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