Special Issue

Advanced Industrial Materials: Production, Modeling, Processing, and Characterization

Message from the Guest Editors

The main aim of this Special Issue is to present the state of the research on the production of advanced industrial materials, modeling, processing, and characterization. The objects of this research should report on investigations carried out using very specific models, methods, and/or instruments. The knowledge presented in this Special Issue, alongside the methods considered, the technical systems, and their applications, has strong potential to bring together and make an impact on researchers as well as other professionals. The knowledge presented will contribute insights into as yet unanswered questions and may lead to the discovery new questions. Contributions should focus primarily on the following:

- Modeling and characterization of materials;
- Production and processing of advanced materials;
- Quality and reliability of industrial materials;
- Optimization and characterization of surface properties;
- Testing and inspection of advanced materials;
- Environmental aspects of material production;
- Advances in the production of metals, plastics, composites, etc.;
- Processing for advanced properties in manufacturing;
- Advances in additive production technologies.

Guest Editors

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Message from the Editorial Board

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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