

Special Issue

Structure, Properties and Application of Metal and Composite Materials in Various Industries

Message from the Guest Editor

Currently, the industry is developing rapidly and requires the use of new, promising metals with a high resource and improved properties. As you know, the properties of a material are greatly influenced by its structure. Today, material properties can be optimized using a variety of modeling techniques. The use of composite materials allows the manufacture of lightweight and reliable tools for various applications. The study of their properties will expand the scope of their application, as well as create materials with new properties. We would like to present a Special Issue devoted to the study of the structure and properties of both metallic and various composite materials, modeling their properties and designing products from them for various industries. Topics of this Special Issue include but are not limited to:

- Research of the structure and properties of metallic materials;
- Influence of structure on the properties of metals and composite materials;
- Composite materials;
- Film materials and coatings;
- Modeling and optimization of properties of metal and composite materials;
- Application of composite materials.

Guest Editor

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Deadline for manuscript submissions

closed (20 May 2022)



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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.

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