

Special Issue

Quality, Microstructure and Properties of Metal Alloys (Second Volume)

Message from the Guest Editor

Modern industry uses many different materials. The most popular group of construction materials is metal alloys. The choice of construction material for technical applications depends on its functional properties, which are shaped at the manufacturing stage. In addition to the chemical composition, which mainly determines the properties of the metal alloy, an important role is also played by production processes and heat treatment, among others. The continuous improvement of metal alloys requires the development of comprehensive knowledge in the field of the microstructure, chemical, physical and mechanical properties of materials. To achieve the best possible effect, the purpose of this Special Issue is to encourage scientists around the world to present their achievements in the broadly understood field of increasing the properties of metal alloys. In this issue, we will present original scientific papers and review papers describing the current directions of research on the broadly understood properties of ferrous and non-ferrous alloys. Research on cast, plastic or welded materials will also be welcome.

Guest Editor

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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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