Special Issue

Advanced Materials – Microstructure, Manufacturing and Analysis

Message from the Guest Editors

Devices and objects, require various materials with different properties to produce them. New advanced materials play an important role in the development of the modern world. It is often their development that enables progress in a given field of technology. Without the development of modern materials, there would be no modern devices capable of working in various, often extreme, trouble-free conditions. Additionally, articles dealing with issues related to the use of these materials in 3D printing, their repair by welding, laser melting, etc. will be welcome. The purpose of the Special Issue articles is to provide knowledge and skills in the field of material design, manufacturing, processing and shaping their properties and functional characteristics, testing their quality, selecting for specific applications, and controlling their condition from the moment of production to its end of use and recycling with the application of recycling principles (circular economy). This Special Issue will include articles on progress in the development of technology for the production of modern materials.

Guest Editors

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Deadline for manuscript submissions

closed (15 December 2024)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/130632

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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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