Special Issue

Metalworking Processes: Theoretical and Experimental Study

Message from the Guest Editors

The modelling of structure changes and mechanical properties in metal thermomechanical treatment processes and technical alloys is one of the most important research areas, and is currently at the center of interest of scientific centers dealing with materials engineering and plastic working processes. Performing direct tests under industrial conditions for the development of such processes is too costly and usually does not allow the optimization of process parameters. Therefore, it is justified to develop methods of optimizing technological processes, ensuring the receipt of a product with the required mechanical properties, based on modern methods of numerical and physical modelling.

This Special Issue covers new groundbreaking trends in the plastic working and thermomechanical treatment processes of metals and alloys. We cordially invite you to send your manuscripts for publication in this Special Issue. Full articles, communications and literature reviews are welcomed.

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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/147089

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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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