

Special Issue

Research on Metal Cutting, Casting, Forming, and Heat Treatment

Message from the Guest Editors

We are pleased to invite you to publish original research articles, review articles, and short memos related to “Research on Metal Cutting, Casting, Forming, and Heat Treatment”. Manuscripts that are concerned with the following subjects are requested: -Advances in traditional metal cutting, non-traditional cutting, hybrid cutting, vibration cutting, non-metallic cutting, and composite cutting. -Metallic/nonmetallic materials used in forming processes such as sheet metal forming, powder forming, bulk-forming, micro-forming, plastic deformation due to forming, tribology in the forming process, and innovative forming technology, such as incremental forming, laser forming, and hydroforming. -Casting technology, novel molding technology, moldless casting, casting formation, lost foam casting, molding technique, and iced casting forming. -Heat treatment, laser/electron beam heat treatment, plasma treatment, surface treatment, surface characterization, and digitalized heat treatment, including online monitoring. -Rolling, shot peening, and forging and joining or welding technology.

Guest Editors

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Prof. Dr. Zhen Jia

Deadline for manuscript submissions

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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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