Special Issue

Advanced Machining Technology for Modern Engineering Materials

Message from the Guest Editors

Advances in material science have given an unprecedented boost in engineering. Materials with exceptional properties (mechanical, thermal, and chemical) have been developed, including super and memory alloys, composite materials, and biocompatible materials. At the same time, the machining industry must follow these advances, coming up with new machining methods and processes, as well as effective ways of studying those materials at the macro-, meso-, and microscale. Therefore, the current Special Issue aims to provide a forum for scientists' research on the machinability and the mechanical properties of advanced materials. We will host experimental and/or computational studies concerning conventional, non-conventional, and hybrid machining, and additive methods of advanced materials. Additionally, research about advanced techniques in the study of materials, which give an inside view and a better understanding of the fundamental mechanisms, are welcome. Finally, review articles about the topics mentioned above are encouraged.

Guest Editors

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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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