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Manufacturing and Fatigue Properties of Materials

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Deadline for manuscript submissions:
closed (10 February 2023)

Message from the Guest Editors

This Special Issue of *Materials* is dedicated to the study of fatigue phenomena of structural materials in connection with the influence of various methods of classical or newest manufacturing processing and special treatments. Researchers from the academic and industrial sphere are invited to publish results of their research and latest achievements in this field.

In general, original studies that include various technological factors influencing quality and fatigue properties of structural materials, e.g., technological parameters, influence of heat treatment, surface treatment, surface finish, cold work, and so on are particularly welcome. The different perspectives (used technology, technological properties, alloy or composite material design, microstructural features, structural integrity, low-cycle or high-cycle fatigue, fatigue crack initiation or growth, fracture behavior, and stress concentration factors) can be assumed. Some review articles are also welcome.

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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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