## Special Issue

# Microstructure Evolution, Mechanical Behavior and Performance of Metallic Materials

## Message from the Guest Editor

Metallic materials play important roles in various industrial sectors due to their exceptional properties and wide-ranging applications. When developing a new structure material, understanding the relationship between material properties, microstructure evolution. processing technology and mechanical response is essential. This Special Issue welcomes the submission of high-quality research on various aspects of metals and alloys, including microstructure evolution, materials design, numerical modeling, processing technology, and failure mechanisms. In particular, we encourage papers on the relationship between advanced manufacturing processing and the microstructural properties of metals and alloys. This scope will enable the development of metallic materials with customized properties for a range of applications in engineering, aerospace, automotive, and other industries.

## **Guest Editor**

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### Deadline for manuscript submissions

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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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