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Micro-Structure and Mechanical Properties of Alloys

Guest Editor:

Dr. Subbarayan Sivasankaran

Department of Mechanical Engineering, Qassim University, Buraydah, Saudi Arabia

Deadline for manuscript submissions:

closed (25 December 2023)

Message from the Guest Editor

Dear Colleague,

The main aims of this Special Issue are to collect the original state-of-the art research works, technical research articles, and or comprehensive review articles in the field of structural metals/alloys includes metal matrix composites, nanostructured materials, high-entropy alloys, bulkmetallic glasses, and oxide dispersion strengthened alloys. The works demonstrating alloys with tensile, compression, shear, torsion, creep, and fatigue behavior from the elastic to plastic stage are focused through this Special Issue. This Special Issue encourages the researchers for describing the mechanical behavior correlating bν characterization techniques, namely, X-ray diffraction, scanning electron microscope, transmission electron microscope, and atomic probe tomography. The advanced materials manufactured from powder metallurgy, casting, laser processing, thin film technology, additive printing technology, etc., are the main scope of this Special Issue. Further, material modeling, finite element analysis, and any modelling techniques (using artificial intelligent) dealing with the mechanical behavior of alloys are also covered in this Special Issue.









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Editor-in-Chief

Prof. Dr. Alessandra Toncelli Department of Physics, University of Pisa, 56126 Pisa, Pl, Italy

Message from the Editor-in-Chief

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