

Special Issue

Microstructures and Mechanical Properties of Al Alloy

Message from the Guest Editors

Nowadays, Al alloys are attracting more and more interest due to their peculiar properties, as such as high strength/weight ratio, good castability or formability, corrosion resistance, and so on. The applications of Al-based alloys are countless and their use is growing in various fields, from automotive and aircraft to packaging industries. According to the chemical composition of the alloy, the possible manufacturing processes are also various, ranging from foundry techniques to plastic deformation processes, together with additive manufacturing technologies. Therefore, the study of these alloys is fundamental in a constant effort towards exploiting their full potential.

Guest Editors

Prof. Dr. Marcello Gelfi

Department of Mechanical and Industrial Engineering (DIMI), University of Brescia, via Branze 38, 25123 Brescia, Italy

Dr. Marialaura Tocci

Department of Mechanical and Industrial Engineering (DIMI), University of Brescia, via Branze 38, 25123 Brescia, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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