



Relationships between Processing and Properties of Magnesium-Based Alloys

Guest Editors:

Dr. Björn Wiese

Functional Magnesium Materials,
Institute of Metallic Biomaterials,
Helmholtz-Zentrum Hereon
GmbH, Geesthacht, Germany

Dr. Mert Celikin

School of Mechanical and
Materials Engineering, University
College Dublin, Dublin, Ireland

Dr. Chamini L. Mendis

Brunel Centre for Advanced
Solidification Technology, Brunel
University London, London, UK

Deadline for manuscript
submissions:

closed (28 February 2023)

Message from the Guest Editors

The focus of this issue is on the relationship between processes and properties of magnesium-based alloys. Contributions are intended to show the influence of the manufacturing process, e.g., casting, extrusion, heat treatment, sintering, and processing parameters, e.g., temperature, time, cooling, on the property profile. This encompasses microstructural development such as changes in grain size or texture, as well as mechanical properties, but also corrosion properties for mechanical engineering applications or degradation properties for medical applications. In addition to classic empirical research and development methods, modelling and simulation approaches are becoming more and more important. They can be used for a deeper understanding of composition–microstructure–property relations and show evidence for accelerated, sustainable materials development, and process design. The editors therefore welcome all contributions that add knowledge to this thematic field.





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Editor-in-Chief

Prof. Dr. Alessandra Toncelli

Department of Physics, University
of Pisa, 56126 Pisa, Italy

Message from the Editor-in-Chief

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Crystals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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