

Special Issue

Design and Manufacturing of Lightweight Materials Process and Structures

Message from the Guest Editors

The scope of this Call for Papers includes, but is not limited to, the following topics:

- Design and property control of high-strength and high-toughness materials;
- Design and property control of light alloy materials;
- Research and application of integrated design methodology of microstructures, materials, and processes;
- Research on cooperative optimal design methodology for ultra-large structural/functional topology;
- Optimisation of structural parameters driven by deep learning augmented agent models;
- A high-precision simulation method for the integrated manufacturing process of ultra-large components;
- Power battery system and body integration design method;
- Design and manufacture of high-strength steel integrated double door rings;
- Design and manufacture of ultra-large complex thin-walled structural die castings;
- Integrated design and manufacturing of composite structure automotive components.

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About the Journal

Message from the Editor-in-Chief

Journal of Manufacturing and Materials Processing (JMMP) (ISSN 2504-4494) is a new MDPI peer-reviewed, open access venue with a focus on the scientific fundamentals and engineering methodologies of manufacturing and materials processing. We offer an online platform facilitating effective exchange of innovative scientific and engineering ideas and the dissemination of recent, original, and significant research and developmental findings. On behalf of the Editorial Board, I extend an invitation to our scientific and engineering colleagues to contribute high-quality, innovative, and ground-breaking research articles to *JMMP*.

Editor-in-Chief

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