Special Issue

Friction Stir Welding and Related Technologies

Message from the Guest Editors

Current research findings in the Friction stir welding (FSW) field will be reported in this Special Issue of *JMMP*, where the main focus is providing a deeper understanding of the process, from the most fundamental weld formation mechanisms to the large-scale process control and application. Papers showing high-end knowledge about this technology and its variants will be considered in order to translate the valuable developments being performed by the scientific community on this research field. We are interested in contributions in the following areas:

- Friction stir welding
- Friction stir processing
- Friction based additive manufacturing
- Robotics in FSW
- Numerical modelling of the FSW process
- Optimization of FSW parameters
- Mechanical and metallurgical characterization of FSW welds
- Techniques for mechanical and metallurgical characterization of FSW welds
- Internet of things (IoT) for FSW
- Applications of FSW
- Case studies of FSW in the industrial environment

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2021)

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.2 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2025).