Special Issue

State-of-the-Art Processing of Metals and Alloys

Message from the Guest Editor

This Special Issue of Metals invites experts from around the world to submit papers related to digital solutions and applications for metal processing. Original articles in the domain of digitized numerical analysis, analytical modeling, advanced FEM, CAD/CAM, AI approaches, robotic operations, and so on are welcome to join this special issue. Clear validations with experimental data or benchmarking with other methods are necessary to prove the submitted articles' original contribution. The edition targets the technical issues in the digitalization approaches for mechanics, dynamics, stress, thermal deformation, metamaterial, quality control, automation, and productivity for metal processing, including traditional and non-traditional ones. The original review and research articles in the addressed domains are also welcome.

- Metal processing
- Digital solutions
- Numerical and analytical models
- Robotic processing
- AI approaches

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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