

Special Issue

New Research and Developments in Metal Additive Manufacturing

Message from the Guest Editors

Additive manufacturing (AM) has gained extraordinary expansion and evolution in the manufacturing industry, reshaping the way we approach metal component production and design. In both academia and industry, there has been a notable increase in the exploration of advanced technologies and applications in additive manufacturing (AM). This Special Issue seeks to compile a diverse range of research papers and perspectives that explore the forefront of metal additive manufacturing and new developments. We welcome submissions that address various aspects of the field, including (but not limited to) the following:

- Advanced metal additive process;
- Process optimization;
- Material characterization;
- Design and simulation;
- Sustainability and environmental impact;
- Challenges and future directions;
- Real-world applications of metal AM in diverse sectors.

Guest Editors

Dr. Guher P. Toker

1. Smart Materials Laboratory, Department of Mechanical Engineering, University of Kentucky, Lexington, KY 40506, USA

2. Electronics and Automation Department, Bayburt University, Bayburt 69000, Turkey

Prof. Dr. Ibrahim Tansel

Department of Mechanical and Materials Engineering, Florida International University, Miami, FL 33199, USA

Deadline for manuscript submissions

closed (28 February 2025)



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

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About the Journal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso
CISE–Electromechatronic Systems Research Centre, University of Beira Interior, Calçada Fonte do Lameiro, P-6201-001 Covilhã, Portugal

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).