



an Open Access Journal by MDPI

Advances and Implementation of Welding and Additive Manufacturing

Guest Editors:

Dr. Amlan Kar

Arbegast Materials Processing and Joining Laboratory (AMP), South Dakota School of Mines and Technology, Rapid City, SD, USA

Dr. Hrishikesh Das

Pacific Northwest National Laboratory, PO Box 999, Richland, WA 99352, USA

Dr. Abhishek Sharma

Joining and Welding Research Institute, Osaka University, Ibaraki, Osaka 560-0047, Japan

Deadline for manuscript submissions:

15 October 2024

Message from the Guest Editors

This special issue on “Advances and implementation of welding and additive manufacturing” seeks high-quality works focusing on exploring cutting-edge developments and practical applications in the fields of welding and additive manufacturing. As technological advancements continue to reshape these industries, the “Processes” journal invites contributions that delve into the latest breakthroughs, methodologies, and real-world implementations.

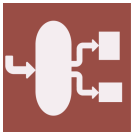
Topics include, but are not limited to:

- Optimization and implementation of welding and additive manufacturing
- Cutting-edge development of new welding and additive manufacturing
- Hybrid welding and additive manufacturing
- Digital Twins and Simulation in Welding and Additive Manufacturing
- Machine learning, industry 4.0; digitalization; internet of things (IoT)
- Critical implementation of newly developed processes and materials
- Innovation and Technological Advancements
- Automation and Robotics in Welding
- In-Process Monitoring and Control in Additive Manufacturing



mdpi.com/si/201307

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Processes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/processes
processes@mdpi.com
[X@Processes_MDPI](https://twitter.com/Processes_MDPI)