processes

an Open Access Journal by MDPI

IMPACT FACTOR 2.8

CITESCORE 5.5

Future Trends in Green Additive Manufacturing

Guest Editors:

Dr. Lisa-Marie Faller

Prof. Dr. Franz Oswald Riemelmoser

Prof. Dr. Christian Schmid

Dr. Martin Kraft

Dr. Herfried Lammer

Deadline for manuscript submissions:
closed (10 November 2023)

Message from the Guest Editors

According to Eurostat [1], the major sources of greenhouse gas emissions are the energy industries, fuel combustion by users, and transport. Additive Manufacturing (AM) is part of the technological solution for lowering greenhouse gas emissions by enabling the creation of local production chains, the specific demand-triggered production of goods and spare parts, and short development cycles supported by the related digital design process [2].

The technology is on the threshold of moving from a niche technology to a mass technology. Two opportunities are behind this development:

(1) AM technology allows the development of innovative products [4]. This is where the advantage of the technology becomes apparent, as it enables the creation of a great complexity of shapes while at the same time allowing a great variety of materials to be used.

(2) AM technology offers the possibility of producing components and products in a way that saves resources and energy and therefore contributes to green manufacturing [4].

AM therefore represents a great opportunity to close the gap between economic and ecological product manufacturing.

processes

IMPACT FACTOR 2.8

CITESCORE 5.5

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: 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