processes

an Open Access Journal by MDPI

IMPACT FACTOR 3.5

CITESCORE 4.7

Recent Advances in Sustainable Polymer Manufacturing Processes

Guest Editors:

Dr. Li Xi
Department of Chemical Engineering and School of Computational Science and Engineering, McMaster University, Hamilton, ON L8S 4L7, Canada

Dr. Roozbeh Mafi
1. Department of Chemical Engineering, McMaster University, Hamilton, ON L8S 4L7, Canada
2. Oligomaster Inc., Hamilton, ON L8S 0A1, Canada

Dr. Jumiati Wu
Department of Chemical Engineering, McMaster University, Hamilton, ON L8S 4L7, Canada

Message from the Guest Editors

This Special Issue seeks high-quality contributions in sustainable polymer manufacturing processes. We welcome the submission of studies highlighting the recent advances in the above-mentioned areas, including both experiments and modelling work. Topics include, but are not limited to:

- Formulation and process design for sustainable polymer materials, including biodegradable and biocompatible plastics.
- Process innovation in polymer recycling and upcycling.
- Life-cycle analysis (LCA) and techno-economic analysis (TEA) of sustainable polymer manufacturing processes.
- Modelling of the circular plastics economy.
- Sustainable and/or green design and development of plastics manufacturing processes.

Deadline for manuscript submissions:
closed (20 December 2023)

mdpi.com/si/145491

Special Issue

processes

IMPACT FACTOR 3.5

CITESCORE 4.7

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

Processes (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/processes
processes@mdpi.com
𝕏@Processes_MDPI