

Special Issue

Pharmaceutical Process Engineering: Experimental and Computational Innovation

Message from the Guest Editors

Pharmaceutical process engineering faces increasing pressure to deliver high-quality medicines efficiently and sustainably. In this regard, this Special Issue aims to highlight innovative approaches and process optimization strategies transforming pharmaceutical manufacturing. We seek contributions showcasing innovative research in areas such as continuous manufacturing, process analytical technology (PAT), and advanced process modeling. This Special Issue aims to provide a comprehensive overview of the latest breakthroughs and future trends in pharmaceutical process engineering, and we welcome original research articles, review articles, and short communications that detail novel technologies, computational and experimental methodologies, and case studies demonstrating the successful implementation of improved pharmaceutical processes. We firmly believe this Special Issue will accelerate the development of more efficient, robust, and sustainable pharmaceutical manufacturing processes, ultimately benefiting patients worldwide.

Guest Editors

Dr. Marcial Gonzalez

1. School of Mechanical Engineering, Purdue University, West Lafayette, IN 47907, USA
2. Ray W. Herrick Laboratories, Purdue University, West Lafayette, IN 47907, USA

Dr. Francesco Destro

1. Department of Chemical Engineering, Massachusetts Institute of Technology, Cambridge, MA 02139, USA
2. Center for Biomedical Innovation, Massachusetts Institute of Technology, Cambridge, MA 02139, USA

Deadline for manuscript submissions

22 December 2025



Pharmaceuticals

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/229677

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

[mdpi.com/journal/
pharmaceuticals](https://mdpi.com/journal/pharmaceuticals)





Pharmaceuticals

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



[mdpi.com/journal/
pharmaceuticals](https://mdpi.com/journal/pharmaceuticals)



About the Journal

Message from the Editor-in-Chief

Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*. *Pharmaceuticals* is characterized by an active editorial board and a dynamic editorial staff. Manuscripts are peer-reviewed and a final decision is provided to authors within 4–6 weeks after submission. Papers are published on the web immediately after acceptance. For details on the submission process or any other matter, please do not hesitate to contact us. We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Ciências, Universidade de Lisboa, Lisboa, Portugal

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), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Pharmaceutical Science)