pharmaceuticals

IMPACT FACTOR 4.6

Indexed in: PubMed

CITESCORE 4.7

an Open Access Journal by MDPI

Impacts of Constituent Material Variability on the Performance and Quality of Pharmaceutical Dosage Forms

Guest Editor:

Dr. Abina Crean
University College Cork, Cork, Ireland

Deadline for manuscript submissions:
closed (30 November 2021)

Message from the Guest Editor

Dear Colleagues,

The performance and quality of pharmaceutical dosage forms are dependent on both the properties of constituent materials (API and excipients) and the manufacturing process. Understanding the impact of material variability on dosage form performance and identifying critical material attributes are central to the quality by design (QbD) approach to drug development. Monitoring critical material attributes and adjusting process parameters, by the application of process models, is a key aspect of Quality by Control (QbC). The advent of drug product continuous manufacture, together with the pharmaceutical sector's evolution towards QbC and Pharma 4.0, has increased the need for an advanced understanding of how the variability of constituent material properties impacts drug product performance and quality. This Special Issue aims to summarize the latest advances in Process Analytical Technology (PAT) techniques to study variability in constituent pharmaceutical materials, present the latest findings as well the design of process models to control for material variability and finally elucidate future directions.

pharmaceuticals

IMPACT FACTOR 4.6 | Indexed in: PubMed | CITESCORE 4.7

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter
Departamento de Química e Bioquímica (DQB) e Centro de Química e Bioquímica (CQB), Faculdade de Ciências, Universidade de Lisboa (FCUL), Rua Ernesto de Vasconcelos, Campo Grande,Edifício C8, 5º Piso, 1749-016 Lisboa, Portugal

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.

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 - Q2 (*Pharmacology & Pharmacy*) / CiteScore - Q2 (*Pharmaceutical Science*)

Contact Us

Pharmaceuticals Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/pharmaceuticals
pharmaceuticals@mdpi.com