



an Open Access Journal by MDPI

# Maximising Drug Delivery for Improved Pharmacokinetics and Pharmacodynamics

Guest Editors:

## Prof. Dr. Sias Hamman

Centre of Excellence for Pharmaceutical Sciences, North-West University, Potchefstroom 2520, North-West, South Africa

### Dr. Dewald Steyn

Centre of Excellence for Pharmaceutical Sciences, North-West University, Potchefstroom 2520, North-West, South Africa

### **Dr. Marius Brits**

Centre of Excellence for Pharmaceutical Sciences, North-West University, Potchefstroom 2520, North-West, South Africa

Deadline for manuscript submissions: closed (31 December 2023) Message from the Guest Editors

Dear Colleagues,

The pharmaceutical industry is challenged by the poor bioavailability of a large portion of approved and pipeline drugs. Various reasons exist for the poor systemic delivery of these drugs, which include low aqueous solubility, inadequate membrane permeability, high pre-systemic metabolism, susceptibility to absorption barriers such as efflux transporters, and unfavourable physico-chemical properties. Innovative approaches have been employed by scientists to overcome drug delivery challenges in order to maximise bioavailability. This Special Issue of the journal *Pharmaceuticals* aims at publishing original research and review articles on topics related to the facilitation of drug delivery in order to maximise bioavailability. The following topics form part of the scope of this Special Issue:

- Formulation and dosage form design;
- Alternative routes of drug administration;

**Special**sue

- Targeted drug delivery;
- Chemical strategies;
- Physical strategies.



mdpi.com/si/165634





an Open Access Journal by MDPI

## **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

## 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 peerreviewed 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 - Q1 (Pharmacology and Pharmacy) / CiteScore - Q2 (*Pharmaceutical Science*)

## **Contact Us**

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