



Biosurfactants as Multifunctional Ingredients for Emerging Pharmaceutical Formulations

Guest Editors:

Prof. Dr. Barbara Luppi

Department of Pharmacy and Biotechnology, University of Bologna, Via San Donato 19/2, 40127 Bologna, Italy

Dr. Angela Abruzzo

Department of Pharmacy and Biotechnology, University of Bologna, Via San Donato 19/2, 40127 Bologna, Italy

Dr. Carola Parolin

Department of Pharmacy and Biotechnology Alma Mater Studiorum, University of Bologna, 40126 Bologna (BO), Italy

Deadline for manuscript submissions:
closed (31 October 2021)

Message from the Guest Editors

Biosurfactants (BS) are surface-active compounds produced by microbial metabolism. They are safe, biodegradable and environment friendly and they have versatile applications as ingredients in pharmaceutical products. Due to their amphiphilic nature, they can be exploited as pharmaceutical excipients to enhance aqueous solubility of lipophilic molecules, to optimize release and permeation profiles of active substances, and to stabilize disperse systems. Due to intrinsic antimicrobial and antiadhesive properties, they can be also proposed as active ingredients or as adjuvants to counteract microbial or viral infections. In addition, recent findings suggest their capacity to act as anticancer, immunomodulating, and wound healing agents.

This Special Issue aims to cover different applications of BS as pharmaceutical excipients and/or active molecules and will include papers describing the preparation and characterization of innovative pharmaceutical formulations containing BS.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Department of Pharmaceutics,
Ernest Mario School of
Pharmacy, Rutgers University,
Piscataway, NJ 08854, USA

Message from the Editor-in-Chief

Pharmaceutics (ISSN 1999-4923) is an online open access journal on the science and technology of pharmaceutics and biopharmaceutics. The scientific community, the wider community and the general public have unlimited and free access to the content as soon as a paper is published; this open access to your research ensures your findings are shared with the widest possible audience. Please consider publishing your impressive work in this high quality journal. 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), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Pharmacology & Pharmacy*) / CiteScore - Q1 (*Pharmaceutical Science*)

Contact Us

Pharmaceutics
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/pharmaceutics
pharmaceutics@mdpi.com
[@MDPIpharma](https://twitter.com/MDPIpharma)