



life



an Open Access Journal by MDPI

Recent Trends and Technological Developments in Biopharmaceuticals Manufacturing

Guest Editors:

**Dr. Augusto Quaresma
Henriques Pedro**

Prof. Dr. Mara G. Freire

Dr. Fani Pereira de Sousa

**Dr. Patrícia Alexandra Nunes
Pereira**

Deadline for manuscript
submissions:

closed (30 July 2021)

Message from the Guest Editors

Dear Colleagues,

The biopharmaceuticals brought enormous benefits to the treatment of life-threatening human diseases. Progress in this direction have resulted from the application of novel technologies in the upstream stage (high-throughput, single-use devices, statistical optimization of media and fermentation conditions, QbD, and continuous processing), while at the downstream level, chromatography has evolved through the development of new resins and ligands, coupled with advances in process modelling, operating and control strategies.

An emerging trend is the application of alternative solvents such as ionic liquids and deep eutectic solvents, in which their structure and physicochemical properties can be tuned to address unmet needs in (bio)pharmaceutical research. These compounds may be derived from natural and renewable sources and hold great promise in the development of efficient, sustainable and cost-effective biopharmaceuticals purification processes.

This Special Issue of MDPI *Life* aims to provide the latest progresses achieved in pharmaceuticals bioprocessing. We welcome submissions of original research, comprehensive reviews and perspectives.



mdpi.com/si/70716

Special Issue



life



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology, 08028 Barcelona, Spain

Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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](#), [CAPlus / SciFinder](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)

Contact Us

Life Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/life
life@mdpi.com
[X@Life_MDPI](#)