

Special Issue

Solubilization and Controlled Release Strategy of Poorly Water-Soluble Drugs 2024

Message from the Guest Editor

The processes of solubilization and controlled release of drugs that are not very soluble in water are of great relevance to the pre-formulation of drugs in pharmaceutical developments. A large number of drugs have been industrialized, but almost 70% of them have low solubility in water, which limits their dissolution rate and, consequently, their bioavailability. It is a problem with far-reaching repercussions for the pharmaceutical industry, so the discovery of new technological tools for the hydrosolubilization of drugs that do not affect their physical-chemical and therapeutic properties will constitute an extraordinary achievement. On the other hand, the search for knowledge about the interaction mechanism and the different properties of drug-controlled release systems is currently of great importance in drug formulation. We invite authors to submit original research or review articles on these topics, including the development of novel solubilization strategies, as well as innovative alternative methods to obtain new controlled-release pharmaceutical forms, suitable for a specific patient and the pathology to be treated.

Guest Editor

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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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