Special Issue

Microencapsulation for the Therapeutic Delivery of Drugs

Message from the Guest Editor

Microencapsulation is one of the techniques able to overcome the drug stability problem. Moreover, it creates the possibility to formulate encapsulated drug delivery systems with controlled release rates and, therefore, optimize their pharmacokinetics. On these bases, microencapsulated dosage forms represent new and effective therapeutic platforms. The active molecules are protected until they reach their specific action site. Most applied techniques for microencapsulation are based on modifications of the three basic methods: spray-drying, phase separation (coacervation), and solvent extraction/evaporation. This Special Issue will cover different aspects of microencapsulation as a means to control or modify the release of drug substances from drug delivery systems, improving their biopharmacy. Since clinical efficacies have been reported to be improved by the encapsulation of pharmaceuticals, the bioavailability of drugs, controlling drug release kinetics, minimizing drug side effects, and masking the bitter taste of drug substances will be discussed.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2020)

Pharmaceutics

an Open Access Journal by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed

mdpi.com/si/45792

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Indexed in PubMed

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