

Special Issue

Polymers Enhancing Bioavailability in Drug Delivery, 2nd Edition

Message from the Guest Editor

Currently, many of the drug entities entering the clinic face bioavailability issues, mainly due to poor water solubility and/or permeability, in addition to issues with physicochemical instability or degradation in the body. Polymers, either natural or synthetic, present an array of different backbones and functional groups, sizes, shapes, as well as mechanical and degradation properties, which have been exploited in drug delivery and targeting. Strategies for bioavailability enhancement using functionalized polymers include solid amorphous dispersions for improved solubility; chemical modification for extended blood residence and reduced or abrogated immunogenicity and antigenicity; protection from harsh pH or enzymatic degradation; as well as tailored rate and temporal/spatial drug release. This Special Issue, Polymers Enhancing Bioavailability in Drug Delivery—Volume II, aims to review the specific functional benefits granted by polymers to formulations, which are very much reliant on polymer structure and design, and result in improved drug bioavailability and therapeutic index. You are welcome to submit your research or review

Guest Editor

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Message from the Editor-in-Chief

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