

Special Issue

Bioactive Materials in Drug-Delivery Systems

Message from the Guest Editors

Research into the pharmacologic applications of nanotechnology-based drug-delivery systems has expanded in the past decade. With increasing sophistication in design and functionalities, newer target-specific and individualized treatments are now possible. The selection of either natural or synthetic materials for drug-delivery systems is no longer just a passive delivery vehicle, but displays biophysicochemical dimensions that interact with the biologic microenvironment. These include the optimization of circulation kinetics and tissue distribution, targeted drug delivery, environment-responsive controlled-release, and anti-inflammatory or immunomodulatory properties. The scope of this Special Issue is to gather the latest research on the field of bioactive materials and functionalization strategies in drug-delivery systems using nanotechnology for pharmaceutical applications. Authors are invited to submit original research articles and reviews in this rapidly expanding research field.

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Deadline for manuscript submissions

closed (20 September 2022)



Pharmaceutics

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Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



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