



Functional Nanomaterials for Drug Delivery and Pharmaceutical Applications

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Deadline for manuscript submissions:

10 August 2024

Message from the Guest Editors

Over the past decades, the development of novel functional nanomaterials for biomedical applications has attracted much attention. Due to their nanoscale size, nanomaterials can move easily in tissues and cells and are considered to be an emerging and promising drug delivery system.

Typical nano-based delivery vehicles include liposomes, micelles, dendrimers, inorganic vectors, nanogels and nanoemulsions, whereas novel nanocarriers also contain biomimetic reconstituted high-density lipoproteins (rHDL), exosomes, and hybrid nanoparticles that come from the mixture of nanomaterials. Furthermore, as important constituents of nano-based drug delivery systems, various nanomaterials such as organic nanomaterials, inorganic nanomaterials, and hybrid nanomaterials have been intensively explored in pharmaceutical fields, including drug formulation, drug/gene delivery, controlled release, and targeted therapy.

In this Special Issue, we aim to collect submissions that focus on the investigation of Functional Nanomaterials for Drug Delivery and Pharmaceutical Applications. Original research articles and reviews are welcome.





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Journal Rank: JCR - Q1 (*Pharmacology & Pharmacy*) / CiteScore - Q1 (*Pharmaceutical Science*)

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