

Special Issue

Nanocarrier-Based Drug Delivery for Bioavailability Improvement

Message from the Guest Editor

In recent decades, nanocarrier-based drug delivery systems have gained significant attention as a promising strategy to overcome challenges related to the poor solubility, limited absorption, and suboptimal bioavailability of many therapeutic agents. By enhancing pharmacokinetic profiles and enabling more targeted delivery, nanocarriers have shown the potential to significantly improve therapeutic outcomes across a wide spectrum of diseases. Various nanocarrier platforms have been developed and extensively studied, these systems have been employed to deliver a wide range of therapeutic agents, such as small-molecule drugs, peptides, proteins, and nucleic acids. In this Special Issue, we welcome reviews and original research focused on the development, characterization, and application of nanocarriers for drug delivery, with an emphasis on improving bioavailability and therapeutic performance. Topics of interest include novel nanocarrier design strategies, formulation optimization, in vitro and in vivo performance, and their use in the treatment of diverse diseases.

Guest Editor

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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