

Special Issue

Applications of Biomaterials in Drug Development

Message from the Guest Editor

Drug development requires controlling absorption and biodistribution to optimize the therapeutic performance of small molecules and biologics. Biomaterials are essential for drug development because their physicochemical and chemical properties can be properly tailored. These new biomaterials can be used to control the rate of drug release or to target active ingredients to specific tissues or cell populations. This Special Issue welcomes contributions related to new applications of biomaterials in drug development. Novel strategies aiming to rationalize the application of drug delivery systems and/or material aspects for innovative pharmaceutical development will be considered. Research topics include, but are not limited to, the development of new biomaterials for application in various drug delivery systems related to pharmaceutical development; nanocarriers that target drug release to specific cell types, tissues, or organs; and repurposed biomaterials for novel engineering structures. These aspects will be discussed in terms of new technologies that may expand their applications.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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