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Recent Advances in Natural Product Based Nanostructured Systems

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Deadline for manuscript submissions:

28 June 2024

Message from the Guest Editors

Nature is an incredibly rich source of chemical compounds, many of which can be used either to design new products or to replace non-sustainable materials in products and processes. Natural compounds are not only intrinsically sustainable but can also present superior biocompatibility, enhanced effectiveness and better safety. The use of these compounds in nanotechnology can be also inspired by their in situ role in the organisms from which they are derived. Indeed, many naturally occurring nanostructures, such as films, membranes, vesicles, and viruses, are based on biomolecules specially selected over millions of years of biological evolution for performing their function at the nanoscale. Moreover, many drugs and other bioactive compounds derived from natural sources can be loaded into nanosystems in order to achieve enhanced effectiveness and safety. Therefore, this Special Issue entitled "Recent Advances in Natural Product-Based Nanostructured Systems" is dedicated to collecting works on: 1) biomimetic and bioinspired nanostructures; 2) green nanotechnology; and 3) nanocarriers for bioactive compounds.



mdpi.com/si/138524

Special Issue



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Message from the Editor-in-Chief

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