

Special Issue

Recent Advances in Nanodelivery Systems for Plant and Food Derivatives

Message from the Guest Editors

This Special Issue aims to collect contributions in the field of pharmaceutical nanotechnology applied to plant and food derivatives, also considering the possibility of using plant and food as a source of bioactive components of nanodelivery systems. Many constituents of plants and foods have numerous biological activities, but they do not possess drug-like characteristics, with consequently limited efficacy and clinical use. Recently, many food macromolecules have been reported for health-promoting effects, but they have low application in functional foods, food supplements, medical devices, or medicine because of their inefficient systemic delivery and poor oral bioavailability. However, they have attracted considerable attention as structural components of nanocarriers due to their biocompatibility, biodegradability, renewable origin, and easy modification. Therefore, nanotechnology encases the prospective of offering many strategies to improve the efficacy of natural derivatives from plants and foods and an application platform for their chemical, nutritional, and pharmaceutical potential.

Guest Editors

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