

Special Issue

Advancements and Applications of Phyto-Nanotherapy in Targeted Disease Treatment

Message from the Guest Editors

This Special Issue focuses on the cutting-edge advancements and applications of phyto-nanotherapy in targeted disease treatment. Phyto-nanotherapy, which integrates plant-derived compounds with nanotechnology, aims to enhance the precision and efficacy of treatments at the molecular level. The unique properties of nanoparticles, such as the increased surface area and enhanced permeability, allow for the improved drug delivery and bioavailability of phytochemicals. This Issue invites research on the synthesis, characterization, and functionalization of phyto-nanoparticles and their role in targeting specific cellular pathways and disease sites. Authors are encouraged to explore innovative methodologies, therapeutic mechanisms, and the clinical potential of phyto-nanotherapy in treating various diseases, such as cancer, infectious diseases, metabolic diseases, and inflammatory conditions. Contributions should provide insights into the molecular interactions between phyto-nanoparticles and biological systems, offering a comprehensive understanding of this promising therapeutic approach.

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