

Special Issue

Natural Compounds in Drug Delivery Systems

Message from the Guest Editors

Natural compounds are bioactive molecules found in vegetables, fruits, and various plants, known for their complex actions and multiple benefits to human health. The current trend in scientific and medical research is to harness these compounds, which, due to their antioxidant, antimicrobial, anti-inflammatory, and other properties, offer the potential to replace chemically synthesized substances commonly used in pharmaceuticals.

Microencapsulation, nanoencapsulation, and liposomal delivery systems are several encapsulation techniques that help to preserve the integrity of natural compounds, control their release, and improve their absorption in the body. As a result, such advanced formulations represent a promising approach to developing stable, effective, and safe natural-based drugs, making the transition from synthetic to natural substances more feasible in modern medicine.

Since this topic is of real interest to the scientific community, this Special Issue will provide readers with an overview of the current advances in the field of natural compounds in drug delivery systems.

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