



Nanotechnology and Natural Products: Plant Bioactive Compounds for Drug Delivery

Guest Editor:

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Message from the Guest Editor

Environmental concerns have contributed to a rising interest in plant foods which are key sources of bioactive compounds with proven health benefits. The use of these bioactive compounds for drug delivery is only now beginning to gain increasing interest.

Further studies are necessary to clarify mechanisms of action at cellular, molecular, and genetic levels, as well as pharmacokinetics, and toxicokinetics. Pharmaceutical formulations, delivery systems and controlled-release systems have to be studied to guarantee the efficiency of these bioactive compounds.

The SI addresses how to innovate when dealing with natural compounds in managing health, and how “old” nutrition habits can be included in modern lifestyles through supplementation, as therapeutic adjuvant, or as an aid to personalized medicine through biopharmaceuticals and nutraceuticals.

Strategies for drug delivery systems that permit bioactive compounds from plants to be more bioavailable, that could improve health in the face of certain diseases with safety, and efficacy, are especially welcome.

Authors are invited to submit original research articles and reviews in this important and exciting research field.





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