

Special Issue

Delivery Systems on the Antioxidant Activity of Natural Bioactive Compounds

Message from the Guest Editors

Natural compounds are a source of antioxidants for all living organisms. The mechanisms by which they act at the cellular level are fairly renowned, but in order to manifest their activity, to contribute to the reduction in oxidative stress, and to implicitly reduce the chances of developing chronic diseases, they must reach the cellular level. The main sources of antioxidants are food (fruits, vegetables, teas, coffee, and mushrooms) and dietary supplements. Many of these compounds are degraded and/or transformed as they pass through the digestive tract and most of them are excreted. Due to these reasons, finding new transport and delivery systems for antioxidants is an up-to-date research direction with immediate benefits. Moreover, the modulation process of the microbiota fingerprint represents an interesting way of enhancing the functional properties and bioavailability of certain bioactive compounds. These aspects are important for large groups of the population affected by chronic diseases and potentiate the classic medication. In this Special Issue, authors are invited to present original research articles, review papers, or communications.

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