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Advances in Encapsulation and Controlled Release of Food Bioactive Components

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Message from the Guest Editor

Bioactive components have great importance in food and pharmaceutical products because of their health benefits. However, their susceptibility to environmental conditions makes them difficult to be used in food, cosmetic and pharmaceutical products in their pure form without encapsulation. Encapsulation is a process which helps to improve the stability and controlled release properties of bioactive components. Encapsulation technology describes enclosing active agents within a protective wall material at the micro/nano scale. The enclosed active agents are protected from undesirable interactions, thereby enhancing stability during processing or storage and increasing bioavailability. In encapsulation technology, different methods under varying conditions are employed to improve the encapsulation efficiency and retention of encapsulated bioactive compounds.

This Special Issue aims to highlight advances in encapsulation technology employed to form the capsules, and in controlled release systems to release food bioactive components from the capsules. Therefore, studies that involve innovative approaches to encapsulation and controlled release systems are warmly welcomed.



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Special Issue



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Message from the Editor-in-Chief

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