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Preparation, Characterization, and Application of the Delivery System for Food Products: 2nd Edition

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Message from the Guest Editors

Dear Colleagues,

Gut microbiota imbalance is the pathological basis of many chronic diseases. Bioactive compounds extracted from plants (such as polyphenols) have received increasing attention due to their regulatory effect on the gut microbiota. In spite of this, they present particular limitations that must be overcome before their application in food systems. Poor stability under stressful environmental conditions and easy degradation during digestion are the main issues that make them difficult for food applications. Resistant starch has good stability and antidigestibility and has been shown to be a promising material for fabricating colon-targeted delivery systems to load and deliver bioactive compounds. Understanding their physicochemical properties, formation mechanisms, protective effects on bioactive compounds, and in vitro and in vivo digestive behavior is valuable for their applications to foods.



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Special Issue



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Message from the Editor-in-Chief

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