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Protein-Phenolic Compounds Complexes - Positive or Negative Example of Interactions in Food?

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Deadline for manuscript submissions:

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Message from the Guest Editors

The interactions between proteins and phenolic compounds in the food matrix are widespread. The compounds can be considered as a form of blocking the antioxidant properties of phenols, and they reduce the digestibility/nutritional value of proteins. However, some reports also indicate proteins are perceived to be a kind of transport vehicle for phenolic compounds in the human body, leading to their safer transit through the gastrointestinal tract and delivery to the destination place.

The Special issue focuses on the following areas:

Identification and characterization of protein-phenolic compounds complexes; Significant improvements to existing methods and novel methods used to identify and characterize; Analysis of changes in health-beneficial properties of phenolic compounds as a result of their interactions with proteins; Application of proteins as specific vehicles for phenolic compounds transport and controlled release; Assessment of digestibility and bioavailability of proteins after the formation of complexes with phenolic compounds; Analysis of changes in techno-functional properties of proteins affected by the presence of polyphenols.



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Special issue



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Message from the Editor-in-Chief

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