

Special Issue

Bioactive Molecules from Food Waste in Food Packaging Applications

Message from the Guest Editor

The packaging plays a key role in preserving the foodstuffs' quality and shelf-life. In the last few decades, traditional food packaging materials have been turning towards more innovative and active ones. For this purpose, bioactive molecules extracted from fruits and vegetables have started being embedded inside packaging materials with the aim to confer peculiar properties such as antioxidant properties, antimicrobial properties, gas and moisture barriers, and so on, and improve the basic functionalities. To also be in line with the Circular Economy principles, agri-food wastes and by-products can easily be recovered for the purposes of extracting other interesting functional biomolecules in order to reach the same goal; therefore, reducing the negative impact on the ecosystems, which is generated by waste management. Based on these preliminary considerations, this Special Issue is devoted to presenting original research and review articles focused on realizing functional packaging materials, which contain embedded bioactive molecules derived from agri-food wastes and by-products.

Guest Editor

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