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Advanced Technologies in the Extraction, Purification or Characterization of Bioactive Compounds from Foods

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Deadline for manuscript
submissions:

closed (30 July 2024)

Message from the Guest Editor

Bioactive compounds include a broad diversity of structures and functionalities that provide an excellent option for the treatment and prevention of human diseases, sustainable agronomic techniques, and for responding to the changing needs of today's society. However, these compounds are present in very low levels, causing inherent difficulties in their extraction and purification as well as the characterization of both their physicochemical and biological activity. Thus, a huge quantity of samples is needed to use them on a large scale. It is expected that progress in extraction techniques, online bioactivity-guided screening, and molecular understanding will help scientists to improve important aspects of food quality such as authenticity, safety, and functionality.

The aim of this Special Issue is to enrich the knowledge on developing better technologies for extracting bioactive compounds from foods according to their efficiency, cost-effectivity, and sustainability. Furthermore, research on advances in purification procedures and the systematic screening of bioactivity is welcome.

We welcome researchers' original research and review articles.



mdpi.com/si/175117

Special Issue



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Message from the Editor-in-Chief

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