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New Perspectives on Food Contact Materials

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Message from the Guest Editors

Dear Colleagues,

The use of materials that come into contact with food has nowadays greatly increased. This is true not only for food preservation purposes, but also for direct cooking or direct heating. However, the variety and quantity of food packaging circulating in the world brings two primary risks, as demonstrated by the presence of microplastics in various ecosystems: food safety and the environmental cost due to the waste generated.

New perspectives in food packaging focus on two aspects. The first relates to reducing environmental footprint through the use of new materials from polymers, recycled paper and cardboard and the use of bioplastics and biodegradable materials. The second pertains to the development of new packaging that helps to protect food and preserve its safety, such as the use of active and intelligent packaging, the encapsulation of substances within the material, or the incorporation of nano-enzymes.

All these new initiatives require in-depth research to be conducted in order to assess the associated environmental and food safety risks.

Dr. María Celia Domeño Recalde

Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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