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Nanomaterials and Nanotechnology in Food: Applicability, Functionality, and Safety

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Deadline for manuscript submissions:

closed (18 August 2023)

Message from the Guest Editors

Dear Colleagues,

Food safety and food nutrition are two main research hotspots in food science regarding human health and have currently become global public health concerns. Developing advanced techniques for reliable detection and control of food contaminants and combining active ingredients or flavor substances with foods through advanced delivery systems to control their release at specific locations in the human digestive tract is important for food safety and nutrition. Recently, applying nanomaterials and nanotechnology in food science has received increasing attention. The applications mainly include nanomaterials-based sensing platforms, nanocatalysts-based advanced oxidation processes, nanomaterials-embedded packaging films, nanomaterials-based active ingredient delivery platforms, nanozymes-based sensing platforms and sanitizers, nanomaterials for food sample pretreatment, and other electro/photo-catalysis techniques in food science. Here, we invite cordially authors to contribute original research articles or review articles covering the most recent progress in the application of nanomaterials and nanotechnology in food.



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Special Issue



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Message from the Editor-in-Chief

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