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Nanomaterials in Food Safety

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Deadline for manuscript
submissions:

closed (31 August 2017)

Message from the Guest Editors

Dear Colleagues,

This Special Issue of *Nanomaterials* aims to explore the potential risks and benefits associated with the use of nanomaterials for food safety and quality assurance, as well as ensuring the integrity of the food supply chain.

Current research developments will be highlighted and potential applications to real world problems experienced within the food supply chain will be examined. The key areas to be addressed will include the use of nanomaterials as the basis of novel, rapid or inexpensive sensors, enhanced packaging performance for shelf life extension and as a mean of informing and protecting consumer health and wellbeing. Applications that deter or prevent criminal activity, such as food fraud, and protect the integrity of the supply chain are of particular interest.

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Guest Editors



mdpi.com/si/6711

Special Issue



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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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