



Nanoparticles: Their Synthesis and Application to Control Plant-Associated Bacteria

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Deadline for manuscript
submissions:

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Message from the Guest Editors

Plant diseases are one of the most important limiting factors of food production. Many important diseases are induced by the plant pathogenic bacteria that cause yearly global high production losses. Environmental pollution can also limit the use of the produced crops, causing serious human disease outbreaks when infected water is used for irrigation. Therefore, the global demand for food production escalates, also ensuring that food security exists nowadays.

Nanoparticles have unique properties that are important for agricultural applications. In addition to their strong antibacterial effects, their potential for timed and/or targeted delivery is also exploitable from their structural properties.

This Special Issue will accept papers dealing with the following subjects:

Nanomaterial applications against phytopathogenic bacteria;

Nanomaterial applications against human pathogenic bacteria adapted and transmitted via infected plants;

Production of novel nanomaterials applicable against plant-associated bacteria;

Targeted and timed delivery of nanomaterials in crop production systems;

Effect of nanomaterials on the plants and microbiome in crop production systems.





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Message from the Editor-in-Chief

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