Special Issue

Advances in Plant-Derived Nanomaterials: From Molecular Mechanisms to Biofortification

Message from the Guest Editor

Nanomaterials from plants provide environmentally friendly and cost-effective alternatives against synthetic nanoparticles. This Special Issue is supervised by and assisted by Dr. Graziano Rilievo. In it, we will gather the latest results on molecular mechanisms and technical solutions in the frame of biofortification. We welcome original and review articles on topics related to plantbased nanomaterial synthesis and its effects in different areas, such as biotechnology, chemistry, and plant molecular biology. Research on molecular aspects of renewable sources, applications in precision agriculture and organic farming, and efficient use of agricultural waste with plant-based nanomaterials is also welcome. Addressing these areas will allow us to enhance our understanding of the molecular crosstalk between nanomaterials from plants and different organisms, to assess the fate and transport mechanisms of these green synthesized nanomaterials, and to evaluate their interactions with soil microorganisms.

Guest Editor

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Message from the Editor-in-Chief

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