

Special Issue

Green Nanotechnology: Empowering Nutritionally Rich Crops and Microgreens for Global Food Security

Message from the Guest Editors

In recent years, metal nanoparticles have offered promising prospects in different fields. By bridging the gap between traditional knowledge and modern agricultural innovation, this research topic endeavors to harness the intrinsic potential of green nanotechnology synthesis to address contemporary nutritional challenges and promote sustainable food systems. The synthesis of nanoparticles using naturally occurring reagents such as vitamins, sugars, and plant extracts as reductants may provide a potential for nanotechnology. Plant-based extracts also present promising candidates suitable for the large-scale biosynthesis of nanoparticles. Therefore, the green synthesis of nanoparticles has become a novel contributor to sustainable. In conclusion, nanotechnology holds the potential for revolutionizing and promoting sustainability.

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