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Advances in Metal-Based Nanoparticles

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Message from the Guest Editors

During the past two decades, the remarkable progress in nanotechnology has extended the application of metal-based nanoparticles in the biomedical and agriculture sector. Metal-based nanoparticles have emerged as highly valuable either by themselves nor as functional building blocks, arguably being one of the most relevant recent achievements in materials science that have the potential to shape our near future. However, the application of such materials requires a directed design providing actuation and stability in a particularly complex environment, such as living organisms. Novel routes in biomedical and agricultural research and practice are expected in the near future.

Keywords

- Metal oxide nanoparticles
- Noble metal nanoparticles
- Bimetallic nanoparticles
- Heteronanostructures
- Core-shell nanoparticles
- Magnetic nanoparticles
- Biomedical applications
- Agricultural applications
- Nanoagrochemicals





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Message from the Editor-in-Chief

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