Special Issue

Ecotoxicity Assessment of Nanomaterials: Latest Advances and Prospects (2nd Edition)

Message from the Guest Editors

Nanotechnology offers societal benefits, but engineered nanomaterials (ENMs) raise environmental concerns. Our Nanomaterials Special Issue tackles ENM ecotoxicity, seeking insights into their fate, uptake, and impacts. We invite research on multi-endpoint ecotoxicity assessment, bioaccumulation, long-term exposure effects, ENM-biological interactions, and future challenges. Your contributions will advance our understanding of ENM ecotoxicity. See more information at https://www.mdpi.com/si/197597 Best regards,

Guest Editors

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Deadline for manuscript submissions

closed (20 June 2025)

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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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