



Pharmaceutical Nanomaterials and Nanotoxicology

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Message from the Guest Editors

Dear Colleagues,

The field of pharmaceutical nanomaterials and nanotoxicology stands at the frontier of innovative research, bridging crucial gaps in medical and pharmaceutical applications through the development of novel nano-based platforms for diagnosis, treatment, and drug delivery.

Nanotoxicology, as an emerging discipline, evaluates the unintended hazardous effects of nanoparticles on human health and the environment, focusing on their interactions with biological components that may lead to adverse outcomes. This includes assessing cellular stress, cytotoxicity, and the broader implications of nanoformulations on pharmacokinetics and organ toxicity.

This Special Issue welcomes the submission of original research articles and reviews that contribute to the knowledge base in the field of pharmaceutical nanomaterials and nanotoxicology. We seek submissions that explore innovative nanomaterials for drug delivery systems, biosensors, gene and drug delivery, enzyme immobilization, and contrast agents for bio-imaging. Contributions may also focus on the application of nanotechnology in cancer diagnostics, treatment, and tissue engineering, etc.





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Message from the Editor-in-Chief

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