

Special Issue

Lipid-Based Functional Nanomaterials

Message from the Guest Editor

Lipid-based nanomaterials have emerged as versatile platforms with significant potential in drug delivery, imaging, diagnostics, and beyond. Their biocompatibility, tunable properties, and ability to encapsulate a wide range of molecules make them highly attractive for innovative solutions to scientific challenges. This Special Issue aims to explore the latest advancements and future directions in lipid-based functional nanomaterials. We encourage submissions that address, but are not limited to, the following themes:

- Novel synthesis and formulation strategies for lipid-based nanomaterials;
- Structure–function relationships and physicochemical characterization;
- Targeted drug delivery and controlled release systems;
- Imaging and diagnostic applications of lipid-based nanomaterials;
- Theranostic approaches combining diagnostics and therapy;
- Regulation of immune responses and vaccine development;
- Overcoming biological barriers for enhanced therapeutic efficacy;
- Safety and biocompatibility considerations;
- Clinical translation and future perspectives.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2024)



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Message from the Editor-in-Chief

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