



## Advanced Applications of Nanoparticles in Ophthalmology

Guest Editor:

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### Message from the Guest Editor

Dear Colleagues,

This Special Issue, entitled "Advanced Applications of Nanoparticles in Ophthalmology", presents an overview of the cutting-edge research and innovative breakthroughs in the field of ocular nanomedicine. Nanoparticles have emerged as promising tools with immense potential to revolutionize the diagnosis and treatment of various ocular disorders, addressing the unmet needs and challenges in ophthalmic care.

Special attention is devoted to the role of in vitro models in the preclinical development of new ophthalmic therapeutic agents, providing valuable insights into drug efficacy, safety, and pharmacokinetics.

Furthermore, the application of nanoparticles in gene therapy for ocular genetic disorders is highlighted, showcasing the potential to correct or modify disease-causing mutations and restore visual function. Finally, the safety aspects of nanoparticle-based therapies in ophthalmology are considered.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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