

## Special Issue

# Innovation in IOLs and Ocular Optics: New Frontiers for Cataracts and Presbyopia

### Message from the Guest Editors

This Special Issue is dedicated to compiling the latest research and cutting-edge developments in optical solutions for presbyopia and cataracts, two prevalent ocular conditions that profoundly impact the global quality of life. We aim to explore how advancements in intraocular lenses (IOLs), with their evolving design, biomaterials, and implantation techniques, are revolutionizing cataract treatment. For presbyopia, the scope extends beyond IOLs to include promising complementary optical solutions like corneal inlays and multifocal contact lenses, significantly expanding the therapeutic arsenal.

Further details on the specific topics to be covered are provided below:

- 1-Advanced Optical Design and Numerical Simulation:
- 2-Characterization and Preclinical Evaluation:
- 3-Clinical Research and Advanced Technology Application:
- 4-Materials and Biocompatibility:
- 5-Case Management and Clinical Outcomes:
- 6-Complementary Optical Solutions:

Original work highlighting the latest research and technical development is encouraged, as are review papers and comparative studies.

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### Guest Editors

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## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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