

Special Issue

Mechanisms and Treatment of Eye and Vision Conditions

Message from the Guest Editor

“Mechanisms and Treatment of Eye and Vision Conditions” is a specialized scientific domain focused on understanding the biological, molecular, genetic, and physiological mechanisms underlying ocular and visual system disorders. The aim is to advance knowledge that supports the development of effective diagnostic tools, therapeutic strategies, and clinical interventions for a broad spectrum of eye conditions—from common refractive errors and cataracts to complex neuro-ophthalmological and retinal diseases. The scope includes, but is not limited to, the following:

- Pathophysiological mechanisms of eye diseases;
- Innovative therapeutic approaches, including pharmacological treatments, gene and cell-based therapies, and surgical techniques;
- Translational and clinical research bridging laboratory discoveries with patient care;
- Advances in imaging and diagnostic technologies;
- Neuro-visual integration and visual processing disorders.

This field brings together researchers, clinicians, and healthcare professionals across ophthalmology, neuroscience, optometry, pharmacology, and biomedical engineering, with the shared goal of preserving and restoring vision.

Guest Editor

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Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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