

Special Issue

Innovations in Diagnosis and Clinical Practice of Corneal Disorders

Message from the Guest Editor

Corneal diseases encompass a wide range of disorders affecting corneal tissue and are a leading global cause of visual impairment and blindness. Accurate and timely diagnosis is essential for effective clinical intervention and improving visual outcomes. Recent technological advances have transformed corneal assessment. High-resolution in vivo imaging techniques—such as anterior segment optical coherence tomography, confocal microscopy, and specular microscopy—now enable detailed morphological and pathological evaluation at the cellular and tissue levels. Meanwhile, functional detection methods and emerging approaches involving molecular biomarkers, genetic testing, and artificial intelligence-based analysis are advancing precision diagnosis and personalized treatment. This Special Issue highlights recent advances and future directions in corneal disease diagnosis and clinical practice. We invite original research, comprehensive reviews, and technical studies on innovative diagnostic methods, multimodal assessment strategies, and translational approaches integrating basic research with clinical care, offering an updated perspective on evolving clinical paradigms.

Guest Editor

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