

Special Issue

Advanced Digital Technology and Artificial Intelligence in Ophthalmology

Message from the Guest Editors

Ophthalmology stands at the forefront of medical fields embracing digital transformation and AI. The advent of AI has revolutionized various aspects of eye care, from diagnostic imaging and disease prediction to personalized treatment plans and telemedicine. This special issue aims to compile a diverse array of studies, reviews, and perspectives that highlight the multifaceted applications of AI and digital technology in enhancing ophthalmic practice and patient outcomes. We seek submissions that provide new insights, propose novel methodologies, and demonstrate practical applications of digital technology and AI in ophthalmology. Our goal is to create a comprehensive resource that not only highlights the current state of the field but also identifies future directions and opportunities for research and clinical practice. We encourage authors to present interdisciplinary approaches and collaborative efforts that bridge the gap between technology and clinical application. Through this special issue, we hope to foster a deeper understanding of how digital technology and AI can transform ophthalmology, ultimately leading to improved patient care and outcomes.

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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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