Advances in Retinal Image Processing

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Message from the Guest Editors

The Special Issue aims at research, broadly defined, that deals with multiple issues, all orbiting around image acquisition and processing, which can be of assistance to the clinician and ophthalmic manufacturers. The objective of this issue is to gather in one venue relevant high-quality research and thereby contribute to the field of medical imaging and image processing in ophthalmology.

The topics of interest include (but not limited to):

- Automatic retinal disorder classification from retinal images
- Early-stage diagnosis and grading of retinal disorders
- Handheld or computerized devices for retinal image acquisition
- Restoration and enhancement of retinal images
- Analysis of retinal disorders using multimodal retinal images
- Segmentation of retinal images
- Image registration
- Computer-vision-based retinal image analysis
- Volumetric analysis of retinal images using image processing techniques
- Analysis of progressive retinal disorders using machine learning and deep learning
- Cross-vendor supported applications to assist ophthalmologists
- Multispectral retinal image analysis and applications

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Special Issue

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Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

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