



Advances in Retinal Image Processing

Guest Editors:

Dr. P. Jidesh

Department of Mathematical and
Computational Sciences,
National Institute of Technology
Karnataka, Surathkal, Karnataka
575 025, India

**Prof. Dr. Vasudevan (Vengu)
Lakshminarayanan**

Theoretical and Experimental
Epistemology Laboratory,
University of Waterloo, Waterloo,
ON N2J 4A8, Canada

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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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Editor-in-Chief

Prof. Dr. Raimondo Schettini

Department of Informatics,
Systems and Communication,
University of Milano-Bicocca,
viale Sarca, 336, 20126 Milan, Italy

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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Contact Us

Journal of Imaging
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/jimaging
jimaging@mdpi.com
@J_Imaging_MDPI