

# Special Issue

## Modelling of Human Visual System in Image Processing

### Message from the Guest Editors

Understanding the human body's functioning and, in particular, the work of brain neurons is an urgent problem. The development and analysis of mathematical models of some aspects of brain functioning are important in extending our knowledge. This Special Issue is dedicated to the mathematical modeling of human vision and its applications to problems of image processing, such as image segmentation, enhancement, and inpainting. The scope of the Special Issue is to expose some modern mathematical models of the processes involved in the perception of visual information by the human brain and to discuss the brain-inspired methods in image processing, which are based on these models.

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### Guest Editors

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### Deadline for manuscript submissions

closed (24 May 2024)



## Journal of Imaging

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## About the Journal

### 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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### Editor-in-Chief

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