

## Special Issue

# Computer Vision in Biomedical Engineering

### Message from the Guest Editors

Biomedical imaging plays a crucial role in healthcare, improving the diagnosis, treatment planning, and monitoring of diseases. The integration of computer vision and deep learning techniques has revolutionized this field by enabling more accurate, automated, and efficient analysis of complex data. From biomedical imaging, computer vision is driving advances that improve both patient care and precision medicine. However, many challenges remain, such as handling big data collections, ensuring robust and interpretable models, and integrating these systems into society. The main objective of this Special Issue is to attract high-quality papers detailing recent research, as well as review articles that contribute to this interdisciplinary domain. Relevant topics for this Special Issue may include (but are not limited to) the following:

- Medical image processing
- Deep learning in biomedical imaging
- 3D medical image reconstruction
- Computer-aided diagnosis
- Pattern recognition
- X-ray and CT image analysis
- Optical imaging in biomedicine
- Augmented and virtual reality
- Multimodal imaging and fusion

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### Guest Editors

Dr. Francisco Daniel Pérez-Cano

Dr. Juan Jiménez-Delgado

Dr. Gema Parra-Cabrera

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### Deadline for manuscript submissions

31 December 2025



## Electronics

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## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

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