

## Special Issue

# The Application of Deep Neural Networks in Image Processing

### Message from the Guest Editor

Deep neural networks (DNNs) have become prevalent in the field of image processing, offering high-accuracy solutions to various problems such as image classification, object detection, semantic segmentation, image enhancement, and image restoration. DNNs have even surpassed human performance in many applications, notably object detection, demonstrating great potential in fields like medical diagnostics, autonomous vehicles, aerial surveillance, and smart CCTVs.

This Special Issue is open to papers on the application of DNNs in image processing, covering areas such as image classification, object detection, semantic segmentation, image enhancement, and image restoration. We also welcome contributions that explore innovative preprocessing and postprocessing methods for DNNs. Whether your work focuses on improving DNN accuracy, developing new preprocessing techniques, or enhancing postprocessing methods, your research will make a valuable contribution to advancing the field.

We look forward to receiving your contributions.

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### Guest Editor

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### Deadline for manuscript submissions

20 August 2025



## Mathematics

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### Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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### Editor-in-Chief

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