

## Special Issue

# Machine Learning in Image Processing and Computer Vision

### Message from the Guest Editor

Recent advances in machine learning have dramatically transformed the capabilities of image processing and computer vision, opening new possibilities for detailed visual understanding. One of the most challenging and intellectually demanding areas in this field is fine-grained object recognition, the task of distinguishing between visually similar categories characterized by subtle differences and high intra-class variability. This issue has become critical in applications such as retail product identification, animal breed classification, or precision inspection in manufacturing, where recognizing visual nuances is essential.

This Special Issue aims to showcase recent developments that address these challenges using robust learning architectures, semantic modeling, and efficient recognition techniques with high resolutions and low semantic granularity.

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### Guest Editor

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### Deadline for manuscript submissions

30 November 2025

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## Information

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