

## Special Issue

# Advances in Machine Vision for Industry and Agriculture

### Message from the Guest Editors

Machine vision has become increasingly useful in many areas in recent years, particularly in the industrial and agricultural sectors, where there seems to be a significant scope for further research. This Special Issue aims to provide concentrated and multidimensional knowledge to researchers and practitioners to showcase their latest advancements, methodologies, and insights in these areas, fostering collaboration and knowledge exchange to address current challenges and propel innovation forward. Contributions are invited on a broad spectrum of topics related to machine vision in industry and agriculture, including, but not limited to, the following:

- Machine vision in precision agriculture;
- Automated visual inspection;
- Novel computational methods and methodology on machine vision;
- Experimental techniques and validation studies in machine vision in industry and agriculture;
- Pattern recognition;
- Robot application utilizing machine vision;
- Image analysis for machine vision;
- Robot control using machine vision;
- Agrobots utilizing machine vision;
- Case studies, practical applications, and real-world challenges in the sector of machine vision.

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### Guest Editors

Dr. Dimitris Ziouzos

Dr. Michalis Vrigkas

Dr. Minas Dasygenis

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### Deadline for manuscript submissions

30 January 2026



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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