

## Special Issue

# Novel Research on Image Processing Technology and Applications

### Message from the Guest Editors

In recent years, the integration of artificial intelligence with image processing has revolutionized a diverse range of domains, including artistic creation, remote sensing, medical imaging, environmental monitoring, and industrial automation. Current research trends reflect a growing focus on developing attention-based networks, transformer architectures, and multi-scale feature extraction methods—all designed to effectively tackle complex imaging challenges such as low contrast, noise interference, and domain adaptation issues.

Therefore, we cordially invite submissions that explore cutting-edge image processing techniques and their practical applications across diverse domains. We particularly welcome research focusing on novel neural network architectures for image enhancement, segmentation, generation, and classification; multimodal fusion strategies that integrate information from varied imaging sources; attention mechanisms for feature extraction; and innovative approaches to tackle domain-specific challenges in artistic creation, medical imaging, remote sensing, and industrial imaging applications.

---

### Guest Editors

Dr. Fuxiang Wu

Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, Shenzhen 518055, China

Dr. Qieshi Zhang

Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, Shenzhen 518055, China

---

### Deadline for manuscript submissions

10 March 2026



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/250109](https://mdpi.com/si/250109)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls-ci@mdpi.com](mailto:appls-ci@mdpi.com)

[mdpi.com/journal/  
appls-ci](https://mdpi.com/journal/appls-ci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## 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.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )