



## Applications of Machine Learning to Image, Video, Text and Bioinformatic Analysis

Guest Editor:

**Dr. Vera Yuk Ying Chung**

School of Computer Science,  
University of Sydney, Sydney,  
New South Wales 2006, Australia

Deadline for manuscript  
submissions:

**closed (10 May 2023)**

### Message from the Guest Editor

With the increasing amount of multimedia data generated by images and videos, the study of image, text, video analysis, and bioinformatics has become a hot topic in artificial intelligence. Machine learning technology has proven its importance and can significantly improve image processing, text analysis, video, and bioinformatic analysis accuracy.

This Special Issue aims to provide a comprehensive appraisal of machine learning technology's innovative applications in image processing, video, text and bioinformatic analysis. Topics of interest include but are not limited to the following:

- Light Field Image Processing;
- Deep Learning;
- Machine Learning;
- Image Processing;
- Text Analysis;
- Natural Language Processing;
- Video Analysis;
- Object Detection;
- Computer Vision;
- Artificial Intelligence;
- Image Classification;
- Neural Network;
- Bioinformatics.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**

Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## 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.

## 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), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

## Contact Us

---

Applied Sciences Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](https://twitter.com/Applsci)