

# Special Issue

## Emerging Deep Learning Models and Applications in Image Processing and Computer Vision

### Message from the Guest Editor

The goal of this Special Issue is to gather articles that address new and existing challenges in image processing and computer vision using advanced deep learning algorithms and models. We are particularly interested in approaches that push the boundaries of traditional image analysis by leveraging innovative deep learning techniques. Studies that integrate hybrid methods, combining deep learning with other machine learning or optimization techniques, are also highly encouraged. Furthermore, applications that use novel deep neural network architectures and frameworks—such as convolutional neural networks (CNNs), generative adversarial networks (GANs), transformers, and diffusion models—for tasks like image recognition, object detection, segmentation, anomaly detection, 3D Gaussian splatting, and 3D image reconstruction, would be highly relevant to this Special Issue. We welcome a wide range of contributions, especially those demonstrating practical applications, theoretical advancements, or novel implementations in real-world computer vision tasks.

---

### Guest Editor

Dr. Kyeongbo Kong

Department of Electronics Engineering, Pusan National University,  
Busan 46241, Republic of Korea

---

### Deadline for manuscript submissions

closed (31 August 2025)



## Mathematics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 4.6



[mdpi.com/si/223414](https://mdpi.com/si/223414)

*Mathematics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[mathematics@mdpi.com](mailto:mathematics@mdpi.com)

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





# Mathematics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 4.6



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



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Francisco Chiclana  
School of Computer Science and Informatics, De Montfort University,  
The Gateway, Leicester LE1 9BH, UK

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

#### Journal Rank:

JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).