



## Mathematical Methods for Image Processing and Understanding

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Deadline for manuscript  
submissions:

**31 August 2024**

### Message from the Guest Editors

We are very happy to announce that The Workshop on Mathematical Methods for Image Processing and Understanding will be held in conjunction with the 2023 International Conference on Computational Science and its Applications (ICCSA 2023) in Athens, Greece, on July 3–6, 2023. The Workshop is focused on the analysis of mathematical methods to solve the theoretical and computational problems that are typical in image processing and understanding. The **themes and topics include but are not limited to:**

1. Theoretical and numerical approximation for image processing;
2. Filter theory;
3. Space color definition;
4. Regularization techniques;
5. MAP estimation for image processing;
6. Image reconstruction and enhancement;
7. Image rescaling and segmentation;
8. Image registration and clustering;
9. Image compactification and demosaicing;
10. Medical imaging and digital tomography;
11. Mathematical methods for virtual document restoration;
12. Pattern recognition;
13. Stereoscopic and optical flow;
14. Applications of digital image processing.

We would like to invite authors to submit an extended version of their conference papers for this Special Issue.





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## Editor-in-Chief

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## 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.

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