

Special Issue

Computational Intelligence in Systems, Signals and Image Processing

Message from the Guest Editors

This Special Issue on “Computational Intelligence in Systems, Signals and Image Processing” highlights the role of mathematical techniques in advancing computational intelligence across various fields. As system modeling, signal processing, and image analysis become increasingly complex, rigorous mathematical methods are essential for addressing these challenges. We welcome research focused on mathematical modeling, optimization, control, and analytical methods to improve the reliability and efficiency of these applications. Topics of interest include advanced algorithms, machine learning grounded in mathematical analysis, and optimization frameworks for real-world applications in systems, signals, and image processing.

Keywords:

- computational intelligence
- deep learning
- signal processing systems
- image and video processing
- multi-modal learning
- generative models
- biomedical signal processing
- pattern recognition
- real-world applications
- mathematical modeling

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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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