Special Issue

Recent Advances in Computational Intelligence Methodologies for Industries

Message from the Guest Editors

In all industries, more and more equipment, machines, and tools have several in-built sensors and smart materials that give them the ability to hear, think, learn, and solve problems with minor human intervention. In this context, using advanced systems that comprise several sensors and intelligent materials, the self-diagnosis, self-awareness, and self-healing control capabilities will be strongly present across various industries, with robustness, efficiency, sustainability, resilience, and autonomy capabilities. Advanced computational intelligence methodologies have attracted huge academic and industry interest in areas from statistics and mathematics to machine learning, resulting in new levels of real applications in several industries, including but not limited to industrial monitorization and control, sustainable industry, internet of things (IoT), smart grids, electrical power and energy systems, robotic, bioengineering, and so on. This multidisciplinary Special Issue intends to disseminate the recent developments and applications on the topics of advanced computational intelligence methodologies across various industries.

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Deadline for manuscript submissions

closed (10 June 2025)

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Mathematics

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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.

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