

Special Issue

Recent Advances in Scientific Computing & Applications

Message from the Guest Editors

New opportunities have appeared in the scientific research and applications of dynamic systems involving artificial intelligence or quantum computing. Both are mixed in classical computation, leading to new concepts, methods, and approaches. New relations link abstract or physical entities, often beyond human understanding. High-speed information transfer and communication benefit from new technology, leading to new support for dynamic systems. The newly conceived theories should involve different approaches for their validation, but these have to be generally approved and accepted by scientific societies. These theories can be applied to practical applications, but they need new, clear specifications and requirements for this purpose. There is a gap between the complex mathematical techniques that sustain the new theories and their potential practical applications. The expected contributions can cover this gap for the benefit of the entire research community.

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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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