Special Issue

Quantum Computing Applications and DNA Data Storage Development

Message from the Guest Editor

We are witnessing the emergence of a completely new way of doing scientific research, where new ways of reasoning need to be developed. The availability of an expanded and fully updated set of mathematical concepts enabling huge amounts of data to be analysed is essential. Therefore, we are pleased to inform you about the forthcoming Special Issue "Quantum Computing Applications and DNA Data Storage Development". It connects QC logic-based applications to the use of DNA data storage. CMOS transistors are very close to their lower size limit, hence the focus on QC from many large hardware companies and others. We also need to store the huge amounts of data that we are generating, hence the notion of DNA data storage. Future large computer platforms will analyse these data by using quantum accelerators. Authors are invited to submit papers where they describe mathematical concepts for different fields, and we also encourage authors to write about the combination of DNA data storage with digital and quantum data. Mathematics is essential in QC logic but also in biochemistry. In addition, we welcome original research and review articles.

Guest Editor

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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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