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Special Issue on

**Combinatorics, Cryptography, Computer Science and
Computation**

Guest Editors

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FOREWORD

The 7th International Conference on Combinatorics, Cryptography, Computer Science and Computation was held on November 16-17th 2022 at Iran. These four interconnected play crucial roles in both theoretical and practical applications. Combinatorics studies combinations, permutations, counting problems, and finite set structures, with applications in biology, computer science, and physics. Cryptography focuses on encrypting and decrypting information for security and integrity, protecting data privacy in electronic transactions. Computer science studies computer design, development, and operation, enabling advanced data analysis tools and efficient automation systems. Computation involves calculating or manipulating information, which is essential for software development and applications in data science, artificial intelligence, and cybersecurity. These fields provide a foundation for understanding information nature, security, and the development of cutting-edge digital technologies.

The objective of this special issue (SI) is to highlight original research that addresses the challenges in terms of specific topics related to the fields of Combinatorics, Cryptography, Computer Science, and Computation. We invited submissions that explore novel approaches, algorithms, security solutions, and theoretical insights in these areas, with the aim of promoting the understanding of information processing and security. We also encouraged submissions that explore the practical applications of these fields in various contexts, including but not limited to data privacy, cybersecurity, artificial intelligence, machine learning, healthcare informatics, finance, and other areas where digital technologies play a critical role.

We received more than 100 research papers out of which 33 papers have finally been selected for publication in this special issue.

The guest editors of this special issue would like to express their gratitude to authors for sharing their valuable research and publication partner for their approval regarding the special issue of the esteemed journal. Guest editors especially thank Dr B. K. Dass, Chief Editor who supported us in bringing out the special issue on “Combinatorics, Cryptography, Computer Science and Computation” in the esteemed Journal of Interdisciplinary Mathematics, published by Taru Publications, New Delhi.

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