

## Special Issue

# Studies of Symmetry and Asymmetry in Cryptography

### Message from the Guest Editors

Information security and confidentiality are critical in the digital age, with increasing challenges posed by data breaches, cyberattacks, and unauthorized access. This Special Issue aims to explore the theoretical and practical advances in secure communication, encryption, privacy-preserving technologies, and trusted computing. Emphasis is placed on how concepts of symmetry and asymmetry—particularly in cryptographic protocols, secure key exchange, and information hiding—can enhance security frameworks. Contributions discussing symmetric/asymmetric encryption, biometric security, quantum-safe systems, and security in AI applications are welcome. We encourage both theoretical and application-driven research that aligns with the broader theme of symmetry in information protection.

### Guest Editors

Prof. Dr. Zhijiang Li  
Prof. Dr. Shengli Deng  
Dr. Rui Zhang

### Deadline for manuscript submissions

30 June 2026



## Symmetry

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## About the Journal

### Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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### Editor-in-Chief

Prof. Dr. Sergei Odintsov  
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