# Special Issue

# Privacy-Preserving Models and Systems in Blockchain

## Message from the Guest Editor

Protecting personal data and ensuring privacy while allowing for data processing and analysis is a key ongoing challenge. Blockchain technology—which connects decentralised personal devices—appears to hold great promise for building solutions that truly guarantee privacy. Privacy-preserving techniques allow us to minimise the amount of personal data that is collected and processed within the digital system; however, it must still be possible to identify people in the real world. Blockchain technologies provide a PKI-less transparent system, meaning that no metadata, including personal identifiers, is used. The transparence property of the ledger implies that no sensitive, business, or identifying data should be recorded, even ciphered, through a blockchain. Moreover, transparency enables traceability—and, through this, private information may be deduced.

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## Deadline for manuscript submissions

20 January 2026

MDPI

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**Message from the Editor-in-Chief**

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