



an Open Access Journal by MDPI

## Blockchain: Applications, Challenges, and Solutions

Guest Editors:

**Dr. Ahad ZareRavasan**

**Dr. Taha Mansouri**

**Dr. Michal Krčál**

**Dr. Saeed Rouhani**

Deadline for manuscript  
submissions:

**closed (31 March 2022)**

### Message from the Guest Editors

Blockchain is a distributed append-only time-stamped data structure which allows us to have a distributed peer-to-peer network where non-trusting members can verifiably interact with each other without the need for a trusted authority.

This Special Issue seeks original, unpublished papers presenting theoretical and applicative proposals in all Blockchain research areas, focusing more on Blockchain applications and challenges. Topic areas include, but are not limited to the following:

- Exploiting the advantages of Blockchain and challenges to be addressed;
- Blockchain ecosystem and the roles of key players;
- Blockchain integration with other technologies;
- Blockchain architectures, protocols, algorithms, and consensus mechanisms.

### Keywords

- Blockchain
- Crypto Currencies
- Blockchain applications
- Blockchain challenges
- Distributed ledger technologies
- Blockchain and Internet of Things
- Blockchain and big data
- Blockchain regulation
- Smart contract



[mdpi.com/si/65551](https://mdpi.com/si/65551)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Gianluigi Ferrari

Department of Engineering and  
Architecture, University of Parma,  
Parco Area delle Scienze, 181/A,  
43124 Parma, Italy

## Message from the Editor-in-Chief

*Future Internet* is a fast-growing journal devoted to rapid publications of the latest results in the general areas of computer networking/communications and information systems, with a focus on the Internet of Things, big data and augmented intelligence, smart systems (in terms of technologies, architectures, and applications), network virtualization, edge/fog computing, and cybersecurity. Both theoretical and experimental papers are welcome. Every year, *Future Internet* also features Special Issues dedicated to specific topics within the journal's scope.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, ESCI (Web of Science), Ei Compendex, dblp, Inspec, and other databases.

**Journal Rank:** JCR - Q2 (*Computer Science, Information Systems*) / CiteScore - Q1 (Computer Networks and Communications)

## Contact Us

---

*Future Internet* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/futureinternet](http://mdpi.com/journal/futureinternet)  
[futureinternet@mdpi.com](mailto:futureinternet@mdpi.com)  
[X@FutureInternet6](https://twitter.com/FutureInternet6)