

## Special Issue

# Recent Applications and Perspectives on the Internet of Things and Blockchain

### Message from the Guest Editors

This Special Issue seeks high-quality papers that present innovative ideas to examine the latest advancements, applications, and future perspectives of IoT and Blockchain integration. The goal is to provide a comprehensive overview of the current state and potential developments in this dynamic field. Areas relevant to this Special Issue include, but are not limited to, the following:

- IoT Security and Blockchain Integration: Innovations in securing IoT devices and networks using Blockchain technology.
- Smart Contracts for IoT: Applications and benefits of using smart contracts to automate IoT processes.
- Decentralized IoT Networks: Development and challenges of creating decentralized networks for IoT using Blockchain.
- Supply Chain Management: Enhancing supply chain transparency and efficiency through IoT and Blockchain.
- IoT Device Management: Strategies for managing IoT devices using Blockchain solutions.
- Data Integrity and Privacy: Ensuring data integrity and privacy in IoT systems through Blockchain.

---

### Guest Editors

Dr. Hajar Moudoud

Department of Electrical Engineering, Université de Sherbrooke, Sherbrooke, QC J1K 2R1, Canada

Prof. Dr. Zakaria Abou El Houda

The Energy, Materials, and Telecommunications Center, National Institute of Scientific Research (INRS), UMR INRS-UQO, Gatineau, QC H2X 1E3, Canada

---

### Deadline for manuscript submissions

closed (20 February 2025)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/214151](https://mdpi.com/si/214151)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto:applsci@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[applsci](https://applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### Author Benefits

#### Open Access:

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

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )