



Cyber Security in Human Health and Medical Devices

Guest Editors:

Prof. Dr. Hassan Chizari

Department of Technical
Computing, School of Business
and Technology, University of
Gloucestershire, Cheltenham
GL50 2RH, UK

Prof. Dr. Kamal Bechkoum

School of Computing and
Engineering, University of
Gloucestershire, Cheltenham,
Gloucestershire GL50 2RH, UK

Dr. Tariq Abdullah

Department of Computing and
Mathematics, College of
Engineering and Technology,
University of Derby, Derby DE22
1GB, UK

Deadline for manuscript
submissions:

closed (20 January 2022)

Message from the Guest Editors

Cybersecurity has been a prominent research area for many years, and it has evolved and changed to address the raised gaps and concerns in the field. Among the many areas of cyber security, however, medical applications have received less treatment, even though the cybersecurity risk in them is quite high.

In this Special Issue, researchers and scholars are invited to submit their work on the following topics focused on human health and medical devices to the journal: standards and regulations, privacy and accessibility, attack vectors, threat modelling, use cases and abuse cases, cryptography and confidentiality, blockchain, homomorphic encryption and other related topics.

Keywords

- standards and regulations
- privacy and accessibility
- attack vectors
- threat modelling
- use cases and abuse cases
- cryptography and confidentiality
- block chain
- homomorphic encryption





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

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, CAPlus / SciFinder, and other databases.

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

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)