

## Special Issue

# Semantic Interoperability and Applications in Healthcare

### Message from the Guest Editors

This Special Issue aims to raise awareness for the need to guarantee semantic interoperability in healthcare and thus to integrate structured and unstructured data and encourage the research community to develop approaches and tools based on standards, AI and KE technologies to improve semantic interoperability, and data analysis and interpretation in the field of healthcare. Research areas in this Special Issue may include, but are not limited to, the following:

- Terminology and ontology in the semantic interoperability of electronic health records (EHRs);
- Semantic extraction and annotation of biomedical text and data;
- Semantic and rule-based systems for healthcare data interpretation, coding, and presentation;
- AI methodologies for medical data analysis;
- Medical data acquisition, cleaning, and integration using AI methodologies;
- Natural language processing in medical documents;
- Global identification of medicinal products.

We look forward to receiving your contributions.

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### Guest Editors

Dr. Elena Cardillo

Prof. Dr. Robert Vander Stichele

Prof. Dr. Dipak Kalra

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### Deadline for manuscript submissions

closed (30 April 2022)



## Applied Sciences

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## 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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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