



Medical Ontologies

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Message from the Guest Editors

An ontology is defined as a common and explicit representation of a conceptualization. Its purpose is to represent consensual knowledge in a way that is shareable, comprehensible, interconnected, and, if possible, allows for inferences.

The medical domain is where ontologies have possibly been used more extensively and with higher success. In the medical domain, they have provided the means to represent, share, and reuse medical information over the last two decades. Furthermore, ontologies provide the grounds for knowledge discovery and novel systems for solving multiple problems such as natural language processing, query answering, content alignment, and disease prediction.

This Special Issue will accept works that address any aspect of the medical ontology lifecycle: analysis and design, implementation, alignment, population, validation, and use in real environments.

The following types of papers will be considered:

- Research papers: analytical papers of new research.
- Case studies: real-world applications, evaluation of industrial solutions, and lessons learned in putting solutions into practice.
- Reviews, surveys, and tutorials: analysis of the state of the art.





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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

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