

Special Issue

Artificial Intelligence Methods for Environmental Sciences or Health Applications

Message from the Guest Editors

In recent times, artificial intelligence methods stood out in many fields. The prominent representatives of this class are Artificial Neural Networks (deep and shallow approaches), Fuzzy Systems, and nature-inspired metaheuristics (Swarm Intelligence, Evolutionary algorithms, and physical models). Among the different research areas, the application of AI has stood out in human health, correlating from wearable devices to environmental sciences. The ability of AI approaches to map nonlinear patterns or optimize systems can bring these sub-areas of research closer together to solve real-world problems. In this regard, this Special Issue aims to encourage both academic and industrial researchers to present their latest findings concerning the previously cited aspects, which can significantly contribute to the achievement of new methods to develop processes or devices to improve the usage of such systems. The authors should provide a comprehensive and scientifically sound overview of the most recent research and methodological approaches. Both experimental and methodological contributions, as well as systematic reviews, are welcome.

Guest Editors

Prof. Dr. Hugo Valadares Siqueira

Prof. Dr. Yara de Souza Tadano

Prof. Dr. Sergio Luiz Stevan, Jr.

Deadline for manuscript submissions

closed (31 December 2024)



International Journal of Environmental Research and Public Health

an Open Access Journal
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CiteScore 8.5
Indexed in PubMed



mdpi.com/si/127504

*International Journal of
Environmental Research and
Public Health*
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About the Journal

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed 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 journal.

Editor-in-Chief

Prof. Dr. Paul R. Ward

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