

## Special Issue

# Health Information Systems: Advanced Machine Learning in Health Applications

### Message from the Guest Editors

In this Special Issue, we call for innovative use of advanced machine learning algorithms in health applications—both theoretical and practical applications. Machine learning-driven health approaches characterized by advanced research methods, reviews, the development of innovative technologies, and the applications of these methods and technologies to a wide range of health consumers form part of this Special Issue. Both research and review papers addressing these topics are invited for this Special Issue, especially those combining a high academic standard coupled with a practical focus on providing solutions to both researchers and practitioners. **Keywords**

- health information systems
- machine learning
- innovative algorithms
- data mining
- predictive modeling

---

### Guest Editors

Prof. Dr. Raj Gururajan

School of Business, University of Southern Queensland, Toowoomba, QLD 4350, Australia

Prof. Dr. Yuefeng Li

School of Computer Science, Queensland University of Technology, Brisbane, QLD 4000, Australia

---

### Deadline for manuscript submissions

closed (31 August 2022)



## International Journal of Environmental Research and Public Health

---

an Open Access Journal  
by MDPI

---

CiteScore 8.5  
Indexed in PubMed



[mdpi.com/si/83820](https://mdpi.com/si/83820)

*International Journal of  
Environmental Research and  
Public Health*

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

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

[ijerph](https://ijerph)





# International Journal of Environmental Research and Public Health

---

an Open Access Journal  
by MDPI

---

CiteScore 8.5  
Indexed in PubMed



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



## 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 B. Tchounwou

RCMI Center for Urban Health Disparities Research and Innovation,  
Richard N. Dixon Research Center, Morgan State University, Baltimore,  
MD 21251, USA

---

### Author Benefits

#### Open Access:

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

#### High Visibility:

indexed within Scopus, PubMed, MEDLINE, PMC, Embase, GEOBASE, CAPlus / SciFinder, and other databases.

#### Journal Rank:

CiteScore - Q1 (Public Health, Environmental and Occupational Health)