

Special Issue

Enhancement of Public Health Professionals via Signal Processing, Machine Learning, Artificial Intelligence and Bioinformatics

Message from the Guest Editors

The applications of signal processing, machine learning, artificial intelligence and bioinformatics in medicine and public health are aimed to promote the health of the whole population and individuals by offering innovative and effective services. These methods lead to novel e-Health applications central in public health that can accurately interpret biomedical, biological, and population data and are empowering both medicine and healthcare. This Special Issue invites submissions from public health professionals, medical and health informatics experts, data scientists, bioinformaticians, biologists, and medical doctors and epidemiologists to present novel methods and applications to improve the public health profession. Interdisciplinary approaches and applications for fighting the COVID-19 pandemic are also welcomed. Topics including the application of Machine Learning, Artificial Intelligence, Data Mining, Informatics, Bioinformatics, Biostatistics, Big Data in the following fields are welcomed:

- Public Health;
- Public Health Professionals;
- Public health informatics;
- Health information systems;
- Pandemic surveillance;
- COVID-19 surveillance;
- E-Health.

Guest Editors

Dr. Barbara Calabrese

Data Analytics Research Center, Department of Medical and Surgical Sciences, University Magna Graecia of Catanzaro, 88100 Catanzaro, Italy

Prof. Dr. Mario Cannataro

Department of Medical and Surgical Sciences, University "Magna Graecia" of Catanzaro, 88100 Catanzaro, Italy

Deadline for manuscript submissions

closed (31 August 2023)



International Journal of Environmental Research and Public Health

an Open Access Journal
by MDPI

CiteScore 8.5
Indexed in PubMed



mdpi.com/si/107334

*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

mdpi.com/journal/

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 R. Ward

Centre for Public Health, Equity and Human Flourishing, Torrens
University Australia, Adelaide 5000, Australia

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)