Special Issue

Application of Computational and Digital Epidemiology in Public Health

Message from the Guest Editor

We have entered a new and exciting era for epidemiology and public health. Artificial intelligence, smart mobile devices, sensors, and advanced modeling methods are examples of new tools available to study and address complex public health issues. Machine learning methodologies, for example, are used to detect disease patterns in health, demographic and social factors data. Smartphones are used for self-assessment of disease symptoms and contact tracing, and intelligent sensors are used for real-time detection and identification of viruses. This Special Issue of the International Journal of Environmental Research and Public Health (IJERPH) focuses on cutting-edge technological advancements in computational and digital epidemiology in public health. Topics include practical applications in public health decision making, planning, and response to the global SARS-CoV-2 pandemic with relevance for future public health crises. This Special Issue will also report on ethical considerations to inform future policy decisions.

Guest Editor

Dr. David D. Luxton
Department of Psychiatry and Behavioral Sciences, University of Washington School of Medicine, Seattle, WA 98195-6560, USA

Deadline for manuscript submissions

closed (30 September 2024)

International Journal of Environmental Research and Public Health

an Open Access Journal by MDPI

CiteScore 8.5
Indexed in PubMed

mdpi.com/si/171022

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

MDPI

International Journal of Environmental Research and Public Health

an Open Access Journal by MDPI

CiteScore 8.5
Indexed in PubMed

mdpi.com/journal/ijerph

MDPI

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)