



## Statistical Advances in Epidemiology and Public Health

Guest Editors:

**Prof. Domenica Matranga**

Department of Sciences for  
Health Promotion and Mother  
and Child Care, University of  
Palermo, Palermo, Italy

**Prof. Filippa Bono**

Department of Economics,  
Business and Statistics (SEAS),  
University of Palermo, 90100  
Palermo, Italy

**Ms. Laura Maniscalco**

Department of Biomedicine,  
Neuroscience and Advanced  
Diagnostics (BI.N.D.), University of  
Palermo, 90100 Palermo, Italy

Deadline for manuscript  
submissions:

**closed (31 December 2020)**

### Message from the Guest Editors

Currently, the key role of statistical modeling in epidemiology and public health is unquestionable. The methods and tools of biostatistics are extensively used for understanding disease development, uncovering the etiology, and evaluating the development of new strategies of prevention and control of the disease. Through data analysis, epidemiology can steer decision-making processes, guiding health and healthcare policy and planning and assisting in the management and care of health and disease in individuals. The growing availability of large healthcare databases allows to draw new evidence in the use of healthcare interventions, drugs, devices, and in the knowledge of population health and health inequality. Digital technologies, the internet, and social media allow to gather information about the efficiency and quality of healthcare delivery process, in addition to patient satisfaction. You are invited to submit manuscripts for consideration in this Special Issue, which covers the aforementioned topics.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Paul B. Tchounwou**

RCMI Center for Urban Health  
Disparities Research and  
Innovation, Richard Dixon  
Research Center, Morgan State  
University, 1700 E. Cold Spring  
Lane, Baltimore, MD 21251, USA

## 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.

## 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, CAPus / SciFinder, and other databases.

**Journal Rank:** CiteScore - Q1 (*Public Health, Environmental and Occupational Health*)

## Contact Us

---

International Journal of  
*Environmental Research and Public  
Health* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/ijerph](http://mdpi.com/journal/ijerph)  
[ijerph@mdpi.com](mailto:ijerph@mdpi.com)  
[X@IJERPH\\_MDPI](https://twitter.com/IJERPH_MDPI)