



## Gene-Nutrient-Environment Interactions

Guest Editor:

**Dr. Emma Beckett**

1. School of Environmental and  
Life Sciences, The University of  
Newcastle, Ourimbah 2258,  
Australia

2. Hunter Medical Research  
Institute, New Lambton Heights  
2305, Australia

Deadline for manuscript  
submissions:

**closed (31 March 2021)**

### Message from the Guest Editor

Many chronic and lifestyle-related diseases are multifactorial, including genetic, dietary, and environmental risk factors. Importantly, the impact of these factors on risk is not merely additive but can be interactive. This issue will feature a diverse array of topics related to gene–nutrient–environment interactions. These topics include but are not limited to epidemiological and experimental studies (including human, animal, or tissue culture models) with a focus on interactions between genetic variants, dietary factors, and environmental exposures. Dietary factors may include specific nutrients, foods, and dietary patterns, and environmental exposures may include exogenous lifestyle factors or exposures, or exposures such as the microbiota. Research in other omics fields such as transcriptomics, epigenomics, metabolomics, and proteomics is also welcomed; researchers from these fields may submit papers to this important Special Issue. Original research studies and reviews on all the topics related to gene–nutrient–environment interactions are invited.





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)