



## Climate Change and Food Systems

Guest Editors:

**Dr. Helena Moreira**

**Dr. Sofia Isabel Almeida  
Pereira**

**Dr. Pedro Humberto Castro**

Deadline for manuscript  
submissions:

**closed (31 March 2022)**

### Message from the Guest Editors

The increase of abiotic (e.g. drought, salinity, flooding, frost, high temperature) and biotic stresses (e.g. phytopathogen emergence or outbreaks) hampers plants' yields and soil functions, which threatens the supply of food and other soils' life-supporting services for human populations. Therefore, farmers and researchers are willing to adopt/develop sustainable strategies to cope with climate change and ensure crops productivity, quality and soil health. Such strategies include the use of underexploited plant species or improved breeds, the application of biostimulants/bioinoculants, and the use of agronomic practices that fosters biodiversity in agroecosystems. This will further contribute to mitigate the overuse of chemical fertilizers and pesticides, which increase environmental degradation and affects food security and water resources. This special issue intends to compile state-of-the-art research on sustainable approaches to enhance crops' performance with impacts on food quality, soils functions and human health under climate change.





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

mdpi.com/journal/ijerph  
ijerph@mdpi.com  
X@IJERPH\_MDPI