

Special Issue

Artificial Intelligence and Sustainable Food Systems for Public Health Promotion

Message from the Guest Editors

This Special Issue, entitled “Artificial Intelligence and Sustainable Food Systems for Public Health Promotion”, aims to explore the transformative role of artificial intelligence (AI) in creating sustainable food systems, enhancing food security, and promoting public health. Examining these areas aims to provide comprehensive insights into how AI can be used to build resilient food systems that support both environmental sustainability and public health. In an era where the global population is rapidly increasing and environmental challenges are intensifying, integrating AI-driven technologies in food systems presents a promising pathway to address these issues. This Special Issue invites researchers and practitioners to investigate how AI can optimize food production processes, reduce food waste, and improve nutritional outcomes, contributing to a more sustainable and healthier future. Topics of interest include the application of machine learning for precision agriculture, AI in supply chain management, predictive analytics for crop yield optimization, and AI-based strategies for nutritional planning and public health interventions, among others.

Guest Editors

Dr. Maria João Ramalhosa

Dr. Cristina Soares

Dr. Ivone Amorim

Dr. Bruno Cunha

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijerph@mdpi.com

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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

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