



AI and Big Data Revolution in Healthcare: Past, Current, and Future

Guest Editors:

Dr. Maqbool Hussain

1. Department of Software,
Sejong University, Seoul 05006,
Korea

2. Department of Computer
Science and Engineering,
Oakland University, Rochester, MI
48309, USA

Dr. Muhammad Afzal

Department of Software, Sejong
University, Seoul 05006, Korea

Dr. Wajahat Ali Khan

Discipline of Computing and
Mathematics, College of Science
and Engineering, University of
Derby, Kedleston Road, Derby
DE22 1GB, UK

Deadline for manuscript
submissions:

closed (31 May 2022)

Message from the Guest Editors

With the rapid advancement in computer technologies, healthcare has also evolved. Smart and intelligent healthcare systems have been developed and are currently in practice. Some examples of these are electronic healthcare records (EHRs), electronic medical records (EMRs), personal healthcare records (PHRs), picture archiving and communication systems (PACs), and healthcare information management systems (HIMS). Along with these contemporary healthcare systems, the AI community has introduced integrated AI-based decision-making systems. These AI systems have been named clinical decision support systems (CDSS), and researchers from the University of Leeds have developed an early naïve Bayesian-based decision-making system for the diagnosis of acute abdominal pain.

Special Issue invites AI experts, data scientists, medical experts, researchers, and bioinformaticians to share their non-published experiences of the past, current state-of-the-art novel approaches, and future perspectives to contribute to AI in healthcare.

For more information, please refer to:
https://www.mdpi.com/journal/ijerph/special_issues/AI_big_data_revolution_healthcare





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Paul R. Ward

School of Society and Culture,
Adelaide University, Adelaide
5001, Australia

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.

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)

Contact Us

*International Journal of
Environmental Research and Public
Health* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijerph
ijerph@mdpi.com
X@IJERPH_MDPI