

## Special Issue

# Artificial Intelligence and Big Data Analytics for Sustainable Healthcare Systems

### Message from the Guest Editors

This Special Issue, entitled “Artificial Intelligence and Big Data Analytics for Sustainable Healthcare Systems,” will highlight innovative research that integrates AI, health informatics, and data-driven computational methods to improve the sustainability of care delivery. We welcome research that leverages large, heterogeneous datasets. We encourage contributions addressing cognitive and intelligent computing approaches, interpretable and responsible AI, fairness-aware models, and the integration of data-driven systems into real clinical and public health workflows. Topics of interest include big data pipelines for healthcare, scalable machine learning for population health, intelligent decision support, AI-assisted epidemiological surveillance, the optimisation of medical resource allocation, and evaluations of the societal, economic, or ecological impacts of AI-enabled healthcare innovation. This Special Issue will provide a multidisciplinary platform for advancing the development of sustainable, data-intensive, and human-centred healthcare systems. We look forward to receiving your contributions.

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### Guest Editors

Dr. Carlos Fernández-Basso

Department of Computer Science and Artificial Intelligence,  
Universidad de Granada, 18071 Granada, Spain

Dr. Andrea Morales-Garzón

Department of Computer Science and Artificial Intelligence,  
Universidad de Granada, 18071 Granada, Spain

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### Deadline for manuscript submissions

31 August 2026



## Big Data and Cognitive Computing

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*Big Data and Cognitive  
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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
bdcc@mdpi.com

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## About the Journal

### Message from the Editor-in-Chief

*Big Data and Cognitive Computing (BDCC)* is a scholarly online journal which provides a platform for big data theories with emerging technologies on smart clouds and exploring supercomputers with new cognitive applications. It is a peer-reviewed, open access journal that publishes high quality original articles, reviews and short communications. The primary aims of this journal are to encourage contributions of high quality scientific papers relating to data management and analytics in industry, such as manufacturing, healthcare, education, media and business, data mining, and cognitive science. There is no restriction on the maximum length of the papers.

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### Editor-in-Chief

Prof. Dr. Min Chen

School of Computer Science and Engineering, South China University of Technology, Guangzhou 510641, China

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