# Special Issue

## Smarter Healthcare via Big Data and Machine Learning

**Message from the Guest Editors**

Healthcare has changed a great deal because of the pandemic, and we have to continue learning from it to prepare for the future. Additionally, the pandemic seems to have facilitated digital transformation. Artificial intelligence and machine learning offer significant advantages over traditional analytics and clinical decision-making techniques. These techniques help us to gain deep insights into the symptoms and treatment of many diseases. Therefore, in this Special Issue, we aim to collect novel ideas on how AI and ML technologies are playing an essential role in supporting the phases of testing, tracing, and treatment towards forming a smarter healthcare system for everyone.

Submissions to this Special Issue should demonstrate how the application of AI and ML or deep learning extends and broadens clinical decision making in ways that traditional approaches cannot. Additionally, papers discussing the key challenges of transforming healthcare, such as privacy issues, maintaining data confidentiality, and biases in the AI algorithms, will be appreciated.

### Guest Editors

Dr. Maryam S. Mirian
Dr. Abdol-Hossein Vahabie
Dr. Reyhaneh Bakhtiari

### Deadline for manuscript submissions

closed (31 March 2024)

# Big Data and Cognitive Computing

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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.

### Editor-in-Chief

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