

Special Issue

Advances in Biomedical Data Science: Methods and Applications

Message from the Guest Editors

With data science being increasingly crucial for leveraging big data to gain a competitive edge, accelerate scientific discovery, and advance public health, we are organizing a Special Issue of Bioengineering entitled “Advances in Biomedical Data Science: Methods and Applications”. The aim is to highlight the advances in biomedical data science, new methodologies, and their applications to sciences, technologies, bioengineering, medicine, health, and healthcare. Topics of interest for this Special Issue include, but are not limited to, the following:

- Advances in biomedical data science;
- Data science for biomedical wearable devices;
- New datasets, AI/ML tools, and novel data analyst methods;
- Applications of data science to bioengineering, medicine, public health, and minority health;
- Bioinformatics, computational biology, and automation of bioprocess and biosystems;
- Big data analytics for biosystems: gene set and pathway analyses, visualization, modeling, and simulation;
- Data science capacity building in minority serving institutions;
- Development of diverse data science workforce;
- Natural Language processing.

Guest Editors

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Dr. Youping Deng

Dr. Joshua Burkhart

Deadline for manuscript submissions

closed (31 December 2024)



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About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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