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Analysis, Control and Modeling of Big Data for COVID-19 and Other Pandemics

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Deadline for manuscript
submissions:

closed (15 December 2023)

Message from the Guest Editor

In this Special Issue “Analysis, Control and Modeling of Big Data for COVID-19 and Other Pandemics”, we solicit contributions that present the analysis or modeling of historical data for most recent epidemics which advance our understanding of epidemics in the following areas, including, but not limited to, epidemic modeling and prediction, analysis of surveillance data, epidemic evolution, spatial-temporal patterns of epidemic, and visualization of epidemic data. Applications of advanced machine learning techniques to big data for epidemics are especially encouraged. Example topics include:

- Develop models from historical outbreak data to predict the trend of an epidemic;
- Analyze surveillance data for an epidemic to identify effective approaches in responding to an epidemic;
- Identify the evolution trend of an epidemic from the mutation in virus DNA sequences;
- Study the spatial-temporal pattern of epidemic cases;
- Visualize the large amount of spatial-temporal epidemic data.



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Special Issue



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Message from the Editor-in-Chief

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