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Biostatistics, Bioinformatics, and Data Analysis

Guest Editors:

Prof. Dr. Shesh Nath Rai

Dr. Anil Rai

Dr. Samarendra Das

Deadline for manuscript
submissions:

closed (10 July 2023)

Message from the Guest Editors

The 21st century is popularly known as the century of data, which are generated through multidisciplinary studies. To extract valuable knowledge from such massive datasets, statistical methodology and data analytic tools have long been employed. Recently, bioinformatics and biostatistics methods and tools have been found to be incredibly helpful in analyzing high-throughput and high-dimensional data obtained from genomic studies. Genomic and clinical studies are particularly complex, characterized by the generation of huge amounts of diverse datasets. Thus, novel statistical methods and bioinformatic tools will be required to address the upcoming challenges in genomic and clinical data analysis.

Therefore, this Special Issue encourages the submission of original works that have statistical rigor in the analysis of data relating to genomics, bioinformatics, proteomics, and clinical studies. These works may also cover a wide range of data on, but not limited to, humans, plants, and other eukaryotes and prokaryotes. We welcome any original and scientific review articles relating, but not limited, to the topics described herein.



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Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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