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Application of Bioinformatics in Plants and Animals

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Deadline for manuscript submissions:

closed (20 July 2023)

Message from the Guest Editors

Dear Colleagues,

This Special Issue on “Application of Bioinformatics in Plants and Animals” aims to (i) provide potential research findings from the application of bioinformatics in plant and animal -omics for trait improvement, (ii) establish a link between computational and biological researchers for sharing their pool of knowledge, and (iii) enlist novel tools and techniques available in public domain for genomic and phenotypic data analyses. This Special Issue will cover a wide range of issues from interdisciplinary domains and provide insights into cutting-edge research topics such as application of artificial intelligence, high-dimensional genome data analysis, computational algorithms, and big data analytics for trait improvement. Solicited in this issue are original research papers on novel methods and algorithms for analysis of sequencing and phenotypic data, novel application of tools and techniques for unraveling complex trait phenomena, and prediction servers and genomic databases of crop, animal, insect, fish, and microbial species. The Special Issue also invites critical reviews on methods and techniques for phenomics data analysis.



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Special Issue

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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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