



genes



an Open Access Journal by MDPI

Application of Bioinformatics in Plants and Animals

Guest Editors:

**Prof. Dr. Atmakuri
Ramakrishna Rao**

Indian Council of Agricultural
Research, New Delhi 110001,
India

Dr. Tanmaya Kumar Sahu

Division of Crop Improvement,
ICAR—Indian Grassland and
Fodder Research Institute, Jhansi
284003, India

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.



mdpi.com/si/147360

Special Issue



genes



an Open Access Journal by MDPI

Editor-in-Chief

**Prof. Dr. Selvarangan
Ponnazhagan**

Experimental Cancer
Therapeutics, The University of
Alabama at Birmingham, 1825
University Blvd., SHEL 814,
Birmingham, AL 35294-2182, USA

Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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. Why not consider *Genes* for your next genetics paper?

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank: JCR - Q2 (Genetics and Heredity) / CiteScore - Q2 (Genetics (clinical))

Contact Us

Genes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/genes
genes@mdpi.com
[X@Genes_MDPI](https://twitter.com/Genes_MDPI)