



genes



an Open Access Journal by MDPI

Application of Bioinformatics in Plants

Guest Editor:

Prof. Dr. Ertugrul Filiz

Department of Crop and Animal
Production, Cilimli Vocational
School, Duzce University, 81750
Duzce, Turkey

Deadline for manuscript
submissions:

closed (20 June 2023)

Message from the Guest Editor

Dear Colleagues,

The discovery of high-throughput sequencing (HTS) and its employment in genomics, transcriptomics and other omics disciplines paved the way for the production of a staggering amount of big biological data. The inference of meaningful results from ever-increasing biological data regarding structures and functions of genes, their evolutions over time, protein–protein or protein–ligand interactions and to shed light on metabolic processes and pathways all depend on the effective and accurate processing of big biological data. In this context, bioinformatics plays a major role in deciphering behaviors, interactions and networks of biological molecules and structures. Today, the employment of neural network methods under artificial intelligence and machine learning gives further impetus to understand living systems through more efficient and effective data mining and data processing of the accumulated biological big data. With this Special Issue, I wish to invite the submission of high-quality original research manuscripts or review articles on any topic related to: “Application of Bioinformatics in Plants”.



mdpi.com/si/139634

Special Issue



genes



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The University of Alabama at Birmingham, 1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

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.

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, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/genes
genes@mdpi.com
[X@Genes_MDPI](#)