

Special Issue

Plant Genetics, Evolution, Cytogenetics and Cytogenomics for Biodiversity Conservation

Message from the Guest Editors

This Special Issue will consolidate existing information and outline new frontiers within the area of genetics, evolution, cytogenetics, and cytogenomics with respect to their role in plant conservation. We welcome papers on a variety of topics that include, but are not limited to, the following: assessments of genetic and cytogenetic diversity; population genetic structure; gene flow and connectivity; local adaptation; genomics of conservation; conservation of rare and threatened species; restoration genetics; germplasm management; impacts of hybridization and introgression; the role of polyploidy and chromosomal rearrangement; FISH and GISH applications; chromatin organization; dynamics of transposable elements; and evolution of genome size. We especially welcome submissions that take multi-method approaches and outline the implications of genomic variation for plant conservation in a rapidly changing world. This topic will thus be an important resource for researchers, conservation biologists, and policy makers interested in the protection of plant biodiversity.

Guest Editors

Dr. Eric Javier Martínez

Dr. Ana Isabel Honfi

Dr. Anna Reutemann

Deadline for manuscript submissions

15 December 2025

G C A T
T A C G
G C A T

Genes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed



mdpi.com/si/233039

Genes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
genes@mdpi.com

[mdpi.com/journal/
genes](https://mdpi.com/journal/genes)



G C A T
T A C G
G C A T

Genes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed



[mdpi.com/journal/
genes](https://mdpi.com/journal/genes)



About the Journal

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?

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

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))