

# Special Issue

## Plant Plastid Genome

### Message from the Guest Editor

The plastid genome has long been utilized as a phylogenetic tool, and the widespread sequencing projects this work spawned have led to the availability of a large database of complete genome sequences. One result is that the plastid is an excellent model for studies of genome evolution at both sequence and structural levels. Work has also extended beyond just phylogenetic applications, with an increasing use of the plastid in the analysis of gene expression and regulation, including aspects of coordinating regulation between the nuclear and plastid genomes, and in molecular mechanisms such as DNA replication and applications in bioengineering. This issue will bring together work on plastid gene regulation, using such tools as epigenome and transcriptome analyses, chromosome replication, plastid bioengineering, genome structure, molecular evolution, and phylogenetic applications of the plastid genome from plants and algae.

We are inviting original research papers and short communications including summaries of databases of plastid gene expression and regulation. Reviews should be proposed by submitting a title/abstract to the before 1 August 2022.

---

### Guest Editor

Prof. Dr. Brian R. Morton

Department of Biology, Barnard College, Columbia University, New York, NY 10027, USA

---

### Deadline for manuscript submissions

closed (20 October 2023)

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/125393](https://mdpi.com/si/125393)

*Genes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[genes@mdpi.com](mailto: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))