

## Special Issue

# Molecular Genetics of Important Traits in Cruciferous Vegetables

### Message from the Guest Editors

Cruciferous vegetables include several species cultivated worldwide and play an important role in our daily diet. Commonly known cruciferous vegetables include Chinese cabbage, pak-choi, cabbage, broccoli, cauliflower, radish, kale, mustard, turnip, kohlrabi, rutabaga, and so on, with extensive morphological and nutrient variation. Recent advances in genomic sequencing, molecular biological technologies, omics application, and gene editing have allowed the investigation of the genetic basis involved in various important traits such as leafy heading, leaf color, root/stem enlarging, florescence heading, metabolites biosynthesis, and so on. In this Special Issue, we hope to focus on important agronomic traits, such as resistance, high quality, high yield, and good plant architecture in cruciferous vegetables. We cordially invite researchers to submit articles to this Special Issue with recent outstanding achievements in high-efficiency breeding technologies, germplasm innovation and evaluation, gene clone and functional analysis, molecular mechanism of important traits, and multi-omics analysis. Reviews will also be welcome with new insights and opinions.

### Guest Editors

Dr. Hui Zhang  
Dr. Xiaonan Li  
Dr. Shujiang Zhang

### Deadline for manuscript submissions

closed (10 July 2024)

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/123035](https://mdpi.com/si/123035)

*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  
Experimental Cancer Therapeutics, 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))