

## Special Issue

# Male Infertility: From Genes to Genomes

### Message from the Guest Editors

Infertility is defined as the inability to conceive after at least 12 months of regular, unprotected sexual intercourse. It is estimated that 8–12% of couples of reproductive age suffer from infertility. The male factor contributes to 50% of all cases. Male infertility is a complex disorder affected by an interplay between genetic and environmental factors. Next-generation sequencing (NGS) technologies, such as whole-exome and genome sequencing, offer the opportunity to simultaneously study numerous genes and identify new biomarkers. Additionally, discoveries on the role of small RNAs and microRNAs in the spermatogenesis process are promising for the understanding of the mechanisms behind male infertility, too.

Thus, this Special Issue of *Genes*, entitled “Male Infertility: From Genes to Genomes”, aims to contribute to the identification of new genetic variants and genetic risk alleles associated with male infertility as well as to provide readers with updated information regarding recent advances in the field. In this regard, original research articles and reviews are both welcome.

---

### Guest Editors

Prof. Dr. Zissis Mamuris

Department of Biochemistry and Biotechnology, University of Thessaly,  
41221 Larissa, Greece

Dr. Maria-Anna Kyrgiafini

Department of Biochemistry and Biotechnology, University of Thessaly,  
41221 Larissa, Greece

---

### Deadline for manuscript submissions

closed (20 April 2022)

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/88184](https://mdpi.com/si/88184)

*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))