



*genes*



an Open Access Journal by MDPI

## State-of-the-Art in Forensic Genetics

Guest Editor:

**Dr. Chiara Turchi**

Section of Legal Medicine,  
Marche Polytechnic University,  
Ancona, Italy

Deadline for manuscript  
submissions:

**closed (15 October 2023)**

### Message from the Guest Editor

Since its first use 35 years ago, forensic genetics has undergone many advancements in knowledge and technologies, which resulted in faster results, higher sensitivity and information content and stronger conclusions, mostly with challenging specimens.

Strong improvements in the last years were made with respect to improving the ability to decipher and interpret all data obtained from DNA analysis, and it not only remains the greatest challenge but also provides the largest opportunities for future advances in forensic DNA analysis. Probabilistic approaches are constantly under development, not only for the statistical evaluation of a genetic profile match and a complex DNA mixture but also for familial searching, and it is useful for finding close relatives and for the prediction of age, external visible traits and PMI estimation.

The aim of this Special Issue is to illustrate the principal advancements in the forensic genetic field, both in terms of research effort and of casework and current practice by covering all laboratory steps related to obtaining DNA profiles and data interpretation.



[mdpi.com/si/96765](https://mdpi.com/si/96765)

# Special Issue



*genes*



an Open Access Journal by MDPI

## 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

## 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?

## 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, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/genes](http://mdpi.com/journal/genes)  
[genes@mdpi.com](mailto:genes@mdpi.com)  
[X@Genes\\_MDPI](https://twitter.com/Genes_MDPI)