

## Special Issue

# Advances in Forensic Genetics and DNA

### Message from the Guest Editor

The field of forensic genetics has experienced remarkable advancements, revolutionizing the investigation of crime and identification processes. DNA profiling, once limited to basic matching techniques, now encompasses cutting-edge technologies such as next-generation sequencing, epigenetic markers, and ancestry analysis. These innovations enable the identification of individuals with unprecedented precision, even in complex cases involving degraded or mixed samples. Furthermore, breakthroughs in rapid DNA technology allow expedited processing, aiding real-time decision-making in criminal investigations. Beyond its traditional role, forensic genetics contributes to societal challenges like disaster victim identification, human trafficking, and cold cases. Ethical considerations, data security, and the regulation of genetic information remain critical discussions as the field evolves. This Special Issue highlights emerging methodologies, case applications, and interdisciplinary perspectives, aiming to foster scientific collaboration and address both the potential and the challenges of forensic genetics in modern society.

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### Guest Editor

Dr. Maria Saiz

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### Deadline for manuscript submissions

20 October 2025

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## Genes

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### 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?

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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan  
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