

## Special Issue

# Molecular Assays for Mutation and Infectious Agent Detection

### Message from the Guest Editor

Molecular assays have revolutionized the detection of genetic mutations and infectious agents, providing rapid and precise diagnostic capabilities crucial for public health. This Special Issue focuses on advancements in molecular diagnostics, including PCR, digital PCR, next-generation sequencing and isothermal amplification, which enhance our ability to identify genetic mutations and detect pathogens efficiently. These technologies offer improved sensitivity, specificity and speed, facilitating the early diagnosis and targeted treatment of various diseases. We invite researchers to contribute original research and review articles that explore novel methodologies, comparative studies and practical applications of molecular assays in clinical and environmental settings. Our goal is to highlight the latest innovations and their impact on improving diagnostic accuracy and patient outcomes.

### Guest Editor

Dr. Gustavo Barra

Sabin Laboratory, Brasilia, Brazil

### Deadline for manuscript submissions

10 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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