

## Special Issue

# Molecular Epidemiology, Genome and Evolution of Viruses

### Message from the Guest Editor

We introduce the Special Issue "Molecular Epidemiology, Genome and Evolution of Viruses". Viruses, as constantly evolving global health threats, demand a profound understanding of their molecular epidemiology, genomics, and evolution. This Special Issue offers a comprehensive platform for researchers to explore intricate viral relationships with hosts and the environment.

Molecular epidemiology reveals insights into viral transmission dynamics, host adaptation, and geographic spread. Advances in sequencing and bioinformatics facilitate outbreak tracing and strain monitoring, uncovering genetic diversity, origins, and transmission routes that fuel viral epidemics.

Genomic analysis is crucial for deciphering viral genetics, identifying virulence factors, and guiding targeted therapeutics. This Special Issue focuses on characterizing viral genomes, studying structural variations, and understanding genetic mutations' functional consequences to counter potential viral threats.

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### Guest Editor

Dr. Marta Giovanetti

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### Deadline for manuscript submissions

closed (1 February 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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