

## Special Issue

# Progress and Applications of Sequencing Technologies

### Message from the Guest Editors

Advancements in sequencing technologies have profoundly transformed our understanding of genetics, enabling the high-throughput analysis of entire genomes, transcriptomes, and epigenomes. These innovations have unraveled complex genetic networks and opened new avenues across diverse scientific disciplines. This Special Issue aims at showcasing the latest developments and innovative applications of cutting-edge sequencing technologies, and explore integrating these methods across various research domains, including genomics, transcriptomics, metagenomics, and epigenomics. Topics may encompass technical breakthroughs enhancing sequencing accuracy and efficiency, as well as practical implications in fields such as personalized medicine, agriculture, environmental science, and beyond. By presenting diverse studies and perspectives, this Special Issue seeks to provide a comprehensive overview of how sequencing advancements are transforming scientific practices and fostering discoveries. Topics of interest include, but are not limited to, personalized medicine, evolutionary biology, agriculture, environmental science, forensics, and bioinformatics.

### Guest Editors

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### Deadline for manuscript submissions

30 October 2025

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## Genes

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## 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?

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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan  
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