

## Special Issue

# Next-Gen Omics in Animal and Microbial Science

### Message from the Guest Editor

Next-generation sequencing technologies have opened up new opportunities to study both the livestock and microbial communities that they host. This topic brings together new research and tools developed to make sense of huge volumes of sequencing data that are now being generated. We welcome contributions from a range of topics, including the following:

- Sequencing methods and bioinformatics tools for animal and microbial omics;
- Integrated approaches combining host genomics and microbiome profiling;
- Pipelines for analyzing genomics, metagenomic, and transcriptomic data;
- Applications of omics to improve animal health, traceability, and sustainability.

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### Guest Editor

Dr. Loan To Nguyen

Queensland Alliance for Agriculture and Food Innovation, University of Queensland, St. Lucia, QLD 4072, Australia

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### Deadline for manuscript submissions

15 January 2026

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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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