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## Applications of Next-Generation Sequencing in Clinical and Public Health Microbiology

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Deadline for manuscript  
submissions:

**closed (5 October 2023)**

### Message from the Guest Editors

Dear Colleagues,

Next-generation sequencing (NGS) is a promising tool used to inspect various aspects of clinical and public health microbiology. Besides identifying the key pathogens with high precision, NGS has great potential to explore and understand the dynamics and genome biology of clinically relevant microbes/microbial communities in a host environment.

Recent advancements in high-throughput sequencing technologies have accelerated the applications of NGS in clinical microbiology, leading to the generation of a large amount of data that need regular investigation from a comparative point of view and with modern and improved tools and techniques of bioinformatics and statistics. The microbiome is the heart of NGS studies, highlighting the role of microbial communities in health and diseases.

In this Special Issue, we are interested in publishing research articles and reviews on applications of NGS in clinical and public health microbiology. In particular, submissions should be focused on highlighting the traits and mechanisms of microbes/microbial communities involved in health and disease conditions.

Professor Dr. Vikas Sharma

*Guest Editor*



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# Special Issue



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## Editor-in-Chief

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## Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving 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.

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