# Special Issue

# COVID-19: Integration of Genomic and Epidemiological Surveillance for Pandemic Monitoring and Control

### Message from the Guest Editor

The COVID-19 pandemic has highlighted the need for integration between various aspects related to surveillance and response in public health. Since the emergence of SARS-CoV-2, genomic surveillance has played a crucial role in identifying viral lineages and variants, providing essential data for monitoring the evolution of the virus and guiding control measures. Simultaneously, epidemiological surveillance has enabled the monitoring of community transmission, the characterization of outbreaks, and the development of evidence-based strategies. This Special Issue welcomes the submission of articles that explore factors related to infection, transmission, and viral evolution. We welcome original research, reviews, and case studies that present real-time data analysis and local or regional experiences in genomic and epidemiological surveillance. This Special Issue aims to contribute to the strengthening of systems for the surveillance and management of current and future health emergencies.

### Guest Editor

Dr. Paula Luize Camargos Fonseca

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### Deadline for manuscript submissions

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# About the Journal

## Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

## Editor-in-Chief

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