



## Genomics in Bacterial Taxonomy: Impact on the Genus *Pseudomonas*

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### Message from the Guest Editors

Dear Colleagues,

The genus *Pseudomonas* is one of the most complex bacterial genera and is currently the genus of Gram-negative bacteria with the largest number of species, a number which is increasing every year. The difficulty in phenotypically identifying *Pseudomonas* species has been highlighted through the years, the use of phylogenetic molecular markers in taxonomic studies being necessary. The introduction of genomics is profoundly changing the current bacterial taxonomy.

In this context, this Special Issue on “Genomics in Bacterial Taxonomy: Impact on the Genus *Pseudomonas*” of *Microorganisms* welcomes researchers all over the world to contribute with original articles addressing the latest knowledge about the taxonomy of the genus *Pseudomonas* and of species within the genus using the genomic approach.

Keywords: genomics; phylogenomics; evolution; taxonomy; phylogeny; comparative genomics; horizontal gene transfer; phytopathogenic *Pseudomonas*; biological control agent; clinical *Pseudomonas*; plant growth promoters; biodegradation; habitat correlation with genomics; *Pseudomonas*; ecological distribution; novel species





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## 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.

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