Special Issue

Plant Pathogenic Bacteria: Genetics, Genomics and Molecular Biology

Message from the Guest Editors

Plant pathogenic bacteria cause a number of devastating diseases that have serious consequences in areas such as global food security. Plant pathogenic bacteria cause disease on a wide range of plants from crops to trees. These bacteria can cause serious infections individually or working in consortium with other bacteria or other biotic and abiotic factors. Advances in research into the genetics, genomics and molecular biology of plant pathogenic bacteria are helping to unravel their lifestyle and mechanisms used to cause disease, leading to improved detection, prevention of infection and control of disease. The aim of this Special Issue of *Microorganisms* is to present a collection of articles that provide a current snapshot of the research on bacterial plant pathogens. Manuscripts covering the genetics, genomics and molecular biology of plant pathogenic bacteria are welcome, including work from an applied angle (e.g., novel diagnostics) through to more fundamental questions relating to the biology of bacteria and their pathogenesis and epidemiology.

Guest Editors

Prof. Dawn L. Arnold

Dr. Vittoria Catara

Dr. Michelle Hulin

Dr. Mojgan Rabiey

Deadline for manuscript submissions

closed (15 April 2023)

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 20 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).

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