Special Issue

Plant Resistance Induced by Microorganisms and Pathogens

Message from the Guest Editors

Dear colleagues, Immune systems of the plants can be induced by several stimuli, including pathogen challenge, avirulent bacteria and beneficial microorganisms such as plant growth promotion microbes (PGPM) and mycorrhizal fungi. All these stimuli lead the plant to a Systemic Acquired Resistance (SAR), Induced Systemic Resistance (ISR) or Mycorrhiza-Induced Resistance (MIR). The focus of this Special Issue is on highlighting the mechanisms behind plant resistance induced by pathogens and microorganisms. Studies on the role of plant symbiotes, PGPs, pathogen attacks and chemical inducers in modulating plant defense responses will be considered. This includes the action of pathogenic effectors, as well as specific aspects of signaling and response perception through the activation of different defense mechanisms.

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Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics. *Pathogens* is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Editor-in-Chief

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