



Genetics and Molecular Biology of Pathogens in Agricultural Crops

Guest Editor:

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Message from the Guest Editor

Notwithstanding the progress of science and technology, yield losses in agricultural production from crop pathogens and pests currently reach about 30% of global production. The yield drops are highly correlated with the genetic structure and molecular basis of the crop pathogens that influence importantly their competitiveness, aggressiveness, and distribution. Furthermore, market globalization coupled with climate change might increase the risks of introducing new emerging pathogens or the recrudescence of existing pathogens, which greatly impacts agricultural production.

Given the above, deepening the knowledge of genetics and molecular biology of crop pathogens might provide new insights into more efficient and eco-friendly management of plant diseases through traditional breeding and plant resistance combined with innovative laboratory methods, and the use of biocontrol agents and natural compounds. This Special Issue will highlight the cutting edge and innovative proposals addressing the above-written key topics.

We welcome reviews, research papers, and opinions concerning advances in genetics and molecular biology of pathogens in agricultural crops in this Special Issue.





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Message from the Editor-in-Chief

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