Special Issue

Molecular and Biotechnological Approaches for Characterization and Control of Plant Virus Disease

Message from the Guest Editor

Viral diseases have a deep impact on the productivity of agriculture plants, affecting the crop yield and quality. Such human activities as the extensive crop management, monocultures in large fields, extensive breeding programs, the use of GMOs, but also climate changes—all enhance the effect of viral diseases on global agriculture. Methods of introducing anti-viral resistance have been developed, either through plant breeding or via genetic engineering in corn, soybean, cotton, cassava and other harvests. However, many crop plants are still susceptible to viral diseases while high mutation rates create new variants that enable plant viruses to surpass the resistance barriers. We accept research articles, reviews and opinions, concerning novel resistance genes, plant–virus interactions, interference with vector transmission, management and sustainable control, transgenic resistance/biotechnological strategies, model systems, detection and diagnosis, or new casual agents/emerging viruses.

Guest Editor

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