

Special Issue

Management of *Verticillium* Wilt Disease

Message from the Guest Editors

Verticillium wilt disease has been the subject of various investigations throughout many years; however, it remains a major economic challenge in cropping systems across the world. The genus *Verticillium* consists of phytopathogenic species that cause vascular wilts in plants. The most significant species are *V. dahliae*, *V. albo-atrum*, and *V. longisporum*. Due to its prolonged survival in the field in the absence of a host, wide host range, inaccessibility during infection, and limited resistance in host germplasm, the genus *Verticillium* causes heavy economic losses in annual and perennial crops worldwide. *Verticillium* wilt disease management is based on soil fumigation, when no resistant varieties exist, but methyl bromide, the most efficient fumigant, has been banned due to its toxic and adverse environmental effects. Once the pathogen enters the plant, it is inaccessible to chemicals. Therefore, we should consider novel sustainable integrated disease management strategies based on advanced chemical, biochemical, and molecular methodologies.

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