

Special Issue

Integrated Defense Responses in Crops Against Soil-Borne Pathogens

Message from the Guest Editors

Due to the growing demand on food and energy plants worldwide, there is the urgent need to secure crop productivity and quality. Crops are often challenged by soil-borne pathogens that are difficult to control and that can cause severe damages to the plant and in consequence losses of yield quality and amount. Nevertheless, plants respond with a set of integrated signal transduction pathways and defence reactions that can lead to an enhanced plant protection or even resistance. This special issue is intended to provide an insight into defence responses of glasshouse and/or field grown crops against soil-borne pathogenic fungi, bacteria, viruses and nematodes on phenotypic, molecular and metabolite level. We also welcome contributions reporting how crop tolerance to these organisms can be enhanced by microbial inocula in field studies or other novel strategies providing means for strengthening a sustainable crop production.

Guest Editors

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