## **Special Issue**

## Plant Microbiome Responses to Environmental Changes

## Message from the Guest Editors

We are inviting submissions to the Special Issue on Plant Microbiome Responses to Environmental Changes. Plants are not individual entities but attractive holobionts inhabited by numerous microorganisms. The role of these residents varies from beneficial endophytes, through neutral commensals to harmful pathogens. The function, as well as the community structure of the plant inhabitant, may be changeable and is shaped by climatic conditions and agricultural management. It has been shown that the plant microbiome plays a vital role in host growth and fitness. as well as may alleviate the abiotic and biotic stresses effects. Due to the importance of plant-associated fungi and bacteria in host adaptation, there is a need to understand how the microbiome responds to environmental changes and thus shape the plant's response to changing environmental conditions. Deciphering the plant-microbial relationship is critical to designing new crop management strategies to improve plant health and growth. Keywords fungi; bacteria; drought; heat; cold; crop; climatic changes; pollutions; endosphere; rhizosphere; phyllosphere

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## Deadline for manuscript submissions

closed (20 January 2023)



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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## **Editor-in-Chief**

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