



## The Role of Phytobiomes in Plant Health and Productivity

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Deadline for manuscript  
submissions:

**closed (30 April 2025)**

### Message from the Guest Editors

Dear Colleagues,

With global climate change, more frequent episodes of extreme weather interact with plant functions and development. The loss of soil biodiversity might have affected the composition and functionality of the phytobiome.

Therefore, new information is needed to help us understand the role of the phytobiome in the interaction between climate change, soil health, and plant resistance. This Special Issue aims to cover, not exclusively, the following topics:

The phytobiome's effect on crop immune mechanisms and productivity.

The phytobiome's role in supporting plant resistance to drought and soil degradation.

The effect of mineral and organic fertilizers and other practices on phytobiome structure and functionality.

Mechanisms involved in stress signaling and responses of the phytobiome to abiotic and biotic plant stress.

The specificity of the phytobiome across soils and plant species and cultivars.

We welcome the submission of both research papers and reviews for this Special Issue.

Dr. Sylwia Siebielec  
Dr. Grzegorz Siebielec  
Guest Editors



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# Special Issue



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