# **Special Issue**

# Advances in Ecophysiology of Root Systems-Environment Interaction

### Message from the Guest Editor

Healthy roots and soils provide the anchor needed to keep a plant in place. Additionally, roots secrete compounds that affect the microorganisms in the soil, helping protect the plant from disease and facilitating the uptake of nutrients from the soil. There is a whole world of activity underground, so how do we get a system of good, healthy roots? Given the complexity of underground dynamics, root physiology, structure and function are understudied components of plant science research. Microorganisms (i.e., mycorrhizae, bacteria, etc.) in the soil impact cycling of nutrients, root growth. soil health, and plant productivity. Different propagation systems impact root system architecture. Nutrient levels, presence of organic substance, and poor management practices are also adversely affecting root and soil health and plant productivity. This special issue of Plants aims to combine these topics together and proposes to highlight recent "Advances in **Ecophysiology of Root Systems-Environment** Interaction".

### **Guest Editor**

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#### Deadline for manuscript submissions

closed (31 December 2023)



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Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/128869

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## Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

### Editor-in-Chief

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