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Advances in Ecophysiology of Root Systems-Environment Interaction

Guest Editor

Dr. Lorenzo Rossi

Horticultural Sciences Department, University of Florida, Institute of Food and Agricultural Sciences (UF/IFAS), Indian River Research and Education Center (IRREC), Fort Pierce, FL 34945, USA

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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".













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Editor-in-Chief

Prof. Dr. Dilantha FernandoDepartment of Plant Science, University of Manitoba, Winnipeg, MB R3T 2N2. Canada

Message from the Editor-in-Chief

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