

Special Issue

Soil Quality Assessed for Fruit and Vegetable Plants

Message from the Guest Editor

The physical properties of soils are highly relevant to crop production. In addition to arable crops, plant support, root penetration, drainage, aeration, moisture retention, and plant nutrients are also important in vineyards and horticultural fields. Physical properties, such as the amount, size, shape, arrangement, and mineral composition of particles, also influence the chemical characteristics and microbial life in the soil. The soil organic matter and nutrient contents can be evaluated against several physical properties (texture, structure, porosity, permeability, and color) to reveal their significance in yield and crop quality indicators. Soil analyses could describe an important component of the terroir for vines, various fruits, and vegetables. Long-term monitoring of the relationships between soil properties and horticultural crop yields could provide valuable information for precision horticulture. The irrigation and fertilization needs of different fruit tree varieties should also be investigated.

Guest Editor

Prof. Dr. Dénes Lóczy

Department of Physical and Environmental Geography, Institute of Geography and Earth Sciences, Faculty of Sciences, University of Pécs, Pécs, Hungary

Deadline for manuscript submissions

closed (30 September 2025)



Plants

an Open Access Journal
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Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



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Plants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

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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, and 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

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

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