

Special Issue

New Insights into Plant Physiological Ecology

Message from the Guest Editors

The increased interest oriented upon plants' physiological and morphological traits as adaptation to ecosystems characteristics is nowadays influenced by the dramatic global rapid changes. Adaptation of leaf area, stomata shape, water use efficiency, carbon allocation patterns within biomass accumulation, and relative chlorophyll content are only a few examples of parameters that could be of interest in the current ecophysiological growth context. New insights regarding the whole plant characteristics under different ecological conditions are encouraged to be submitted. Research conducted in natural or artificial environments with the assessment of plant functioning for all phenological stages, e.g., germination, leaf development, flowering, and others, are of high interest to estimate abiotic stress effects. Technical approaches for identifying new and sustainable methods toward the stimulation of seeds and plants with priming techniques, foliar fertilizers, and hormones are important to mitigate the negative effect of the environment and represent a valuable contribution to the field.

Guest Editors

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Deadline for manuscript submissions

closed (20 December 2025)



Applied Sciences

an Open Access Journal
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Impact Factor 2.5
CiteScore 5.5



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Message from the Editor-in-Chief

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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