

Special Issue

Novel and Efficient Means for Fertilizers Applications in Plant Cultivation

Message from the Guest Editors

The fertility of soils around the world is decreasing mainly due to the intensification of agricultural practices. Therefore, soils are not always able to provide enough nutrients to satisfy plants need. As a consequence, the application of fertilizers is necessary to increase the nutrient levels in soils and to meet plants' needs. However, reserves of some fertilizers, such as phosphate and potassium, are finite; consequently, it is necessary to develop new types of fertilizers and fertilization strategies. The increase in fertilizer efficiency, as well as the better definition of strategies, should be set up in order to enhance crop performances without further decreasing soil fertility. The issue is looking to receive manuscripts that propose improvements in the practices of recommending fertilization, liming, and gypsum, such as nutrient rates, application times, supply methods, etc., which can contribute to increasing the efficiency of nutrient absorption by plants, increasing productivity and food quality, with a reduction in nutrient losses to the environment. Manuscripts that evaluate the impact of new sources of nutrients on crops will also be evaluated.

Guest Editors

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Deadline for manuscript submissions

31 December 2025



Plants

an Open Access Journal
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Impact Factor 4.0
CiteScore 6.5
Indexed in PubMed



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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.

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