Special Issue

Effects of Engineered Nanomaterials on Soil Health and Plant Growth

Message from the Guest Editor

This Special Issue is focused on the evidence regarding the effects the addition of ENMs have on soil health and plant growth and quality. Therefore, studies regarding the effect of ENMs on the soil's physical, chemical, or biological properties are especially welcome, but the effect on soil health or plant growth must be highlighted. In addition, manuscripts regarding the effect of ENMs on morphological, phenological, biochemical, or genetic crop changes are also welcome. Studies using a plant growth chamber or greenhouse are desirable, but special interest will be in long-term field studies with at least one full-growth crop period. Omics-based studies regarding the effect of ENMs on soil health or crop growth, besides other modern analyses such as the use of microscopy techniques (AFM, TEM, CLSM, SRM, or SEM) or others used for the complete characterization of ENMs, soil health, or plant health, are expected. Studies focused on evaluating ENMs synthesized by green or eco-friendly technologies used in agriculture are interesting for this Special Issue, but their effects on soil health or plant growth must be discussed. Original research, opinions, and reviews are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2025)

Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 6.3

mdpi.com/si/231692

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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