

Special Issue

Natural and Non-Conventional Sources of Nitrogen for Plants

Message from the Guest Editors

We invite you to send original scientific papers and review manuscripts containing research on the possibility of supplying plants with nitrogen from natural and unconventional sources. Nitrogen is a nutrient for plants that significantly affects the quantity and quality of harvested biomass. Agricultural systems based mainly on the supply of nitrogen from chemical fertilizers are highly productive but may significantly affect environmental pollution. The rational use of chemical fertilizers combined with the use of natural and unconventional nitrogen sources can reduce this negative impact. We would like to pay particular attention to research on the possibility of the greater use of the process of molecular nitrogen fixation by symbiotic and free-living microorganisms, as well as on the use of nitrogen resources found in various organic or mineral-organic fertilizers and wastes. Moreover, improving the availability of nitrogen and limiting its dispersion in the environment can be achieved by using soil conditioners as innovative products used in the cultivation of horticultural, ornamental, nursery, and agricultural plants on arable land and grasslands.

Guest Editors

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Deadline for manuscript submissions

closed (25 March 2025)



Agronomy

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mdpi.com/si/197932

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Editor-in-Chief

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