



Uses of Hydrogen Gas in Horticulture

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Message from the Guest Editor

H₂ can regulate the growth and development of crops, edible microorganisms, and farm livestock, enhance abiotic and biotic stress tolerance, and improve the nutritional value and postharvest quality of agricultural products. H₂ can also regulate the growth and development of crops by changing the soil microbial community composition and structure. Under the condition of global climate change, horticultural crop production is facing more and more serious biotic and abiotic stress. Safe and efficient production is an important issue of concern for horticulturists all over the world.

This Special Issue will examine recent advances in uses of hydrogen gas in horticulture that can contribute to increase output and quality of horticultural crops and improve soil texture, also including research of physiological basis and on the molecular mechanism of H₂ effects.





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Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

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