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## Gasotransmitters in Plants: Physiological Functions and Potential Applications

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### Message from the Guest Editors

In recent decades, the functions of gasotransmitters have been actively researched in plants through exogenous supply and genetic manipulation. Furthermore, the endogenous roles and emissions of gasotransmitters have been explored by constructing mutants related to the enzymatic synthesis of gasotransmitters. Previous studies have provided considerable evidence to show that gasotransmitters including NO, H<sub>2</sub>S, CO, and H<sub>2</sub> in plants play a crucial role in influencing tolerance to biotic and abiotic stresses, growth and development, senescence, autophagy, etc. Several gasotransmitters, such as NO, H<sub>2</sub>S, and H<sub>2</sub>, are normally used to delay the postharvest senescence of multiple horticultural products. However, more physiological functions and potential applications remain to be discovered. This Special Issue of *Plants* will highlight the functions and applications of gasotransmitters in model plants, crop plants, trees, aquatic plants, etc. In particular, the positive results of field trials related to the application of gasotransmitters in agriculture are welcomed.



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## Message from the Editor-in-Chief

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