



Recent Innovations in Grapevine Research

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Message from the Guest Editors

One of the most pressing challenges facing agriculture today is climate change. To face these challenges, we need to apply the latest technologies in viticultural research. Information technology will play a key role in future research efforts, both in the application of precision technologies and in data processing and modeling. The yield and quality of grapevine are highly influenced by environmental factors, such as the climate, topography, and soil, and biotic factors, including rootstock, pests, and diseases, all of which can affect grapevine either positively or negatively. Cultivation practices, nutrient supply, spraying, and irrigation can also influence the yield and quality of this plant; the effectiveness of these methods must thus be evaluated.

This Special Issue of *Agronomy* will focus on innovative research methods for phenotyping, biomass evaluation, precision viticulture, remote sensing, image analysis, the evaluation of the nutrient status, drone technology, grapevine robotics, analysis of berry composition, diagnosis, and the evaluation of the effect of pests and diseases on plant development





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Message from the Editor-in-Chief

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