

Special Issue

Nutrient Management Effects on Wine Grape Production and Wine Quality

Message from the Guest Editor

Enhancing vineyard soil health is essential to sustaining current global wine production and meeting future demand. While numerous management factors influence soil health, efficient management of inputs can optimize wine grape production, enhance wine quality, and reduce the impact of nutrient use on the environment. The primary objective of this Special Issue is to summarize contemporary soil and nutrient management technologies best suited to sustain and increase vineyard productivity and enhance wine quality. These technologies include evaluations of diverse nutrient sources (inorganic vs. organic), application methods and timing (soil vs. foliar), ground cover management, and variable rate approaches on wine grape production and measurable wine juice parameters related to wine quality (yeast assimilable nitrogen, acidity, Brix, aromatic compound profiles, etc.). In addition, research summarizing soil and nutrient management effects on indicators of soil health (soil carbon, bulk density, pH, etc.) and environmental quality (off-site nutrient transport, NO_x emission, etc.) are encouraged.

Guest Editor

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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