Special Issue

Precision Viticulture and Enology: Technologies and Applications

Message from the Guest Editor

Over the last decade, precision farming and developed tools (GIS technology, sensors, software, actuators, and controllers) have offered new possibilities to monitor site-specific features and crop status. Moreover, tools such as information communication technologies (ICT) have developed databases and models that allow targeting better management choices. Altogether, these technological possibilities have made crop management strategies feasible which are conducive to a sustainable process and have also led to an automatic system of traceability in terms of inputs and operations applied. We invite both theoretical and applicationoriented studies to be submitted on (but not limited to) the following topics: 1) mapping plant health and crop yield; 2) soil mapping; 3) image processing from remote and proximal sensing; 4) robots and variable rate technologies; 5) decision support tools; 6) automated irrigation scheduling; 7) crop stress monitoring; 8) wineries optimization; and 9) economic analysis of efficiency and sustainability. Research papers, communications, and review articles are all welcome.

Guest Editor

Dr. Paolo Storchi

CREA—Research Centre for Viticulture and Enology, Viale Santa Margherita 80, 52100 Arezzo, Italy

Deadline for manuscript submissions

closed (15 October 2021)



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Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

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Editor-in-Chief

Prof. Dr. Les Copeland

Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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