

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 application-oriented 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

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Deadline for manuscript submissions

closed (15 October 2021)



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About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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