

Special Issue

Latest Advances for Smart and Sustainable Agriculture

Message from the Guest Editors

The agricultural sector has always been a major user of water and fossil fuels, thus emitting a considerable amount of greenhouse gases. It is to solve this problem in a sustainable way that the concept of smart agriculture was proposed. This essentially aims to achieve three major objectives: 1) ensuring and improving food security through agricultural production; 2) promoting the resilience of agriculture by adapting to climatic conditions; 3) reducing greenhouse gas emissions in line with the principle of mitigation. This concept must be put into practice in different ways, depending on the development of the agricultural techniques used and the specific realities of each country. Developing countries must demonstrate innovation in the technical and energy fields in order to better reconcile their adaptation and mitigation capacities. In developed countries, the innovations available should enable the development of more qualitative than quantitative agriculture. The objective of this Special Issue is to present the latest advances in smart and sustainable agriculture, in particular in terms of new information and telecommunications technologies.

Guest Editors

Dr. Selma Boumerdassi

CNAM/CEDRIC, 292 rue Saint Martin, 75003 Paris, France

Prof. Dr. Eric Renault

LIGM, University Gustave Eiffel, CNRS, ESIEE Paris, 93162 Noisy-le-Grand, France

Prof. Dr. Christopher Robin Bryant

School of Environmental Design and Rural Development, University of Guelph, Guelph, ON N1G 2W1, Canada

Deadline for manuscript submissions

closed (20 August 2021)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 4.9



mdpi.com/si/71804

Agriculture

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

[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)





Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 4.9



[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)



About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)