

Special Issue

Greenhouse Gas Emissions in Agricultural System and Green Infrastructures: Mechanisms and Mitigation Measures

Message from the Guest Editors

Climate change adaptation and mitigation strategies must consider improved cropland systems (increasing soil organic matter, erosion reduction, improved fertiliser management and nutrients use efficiency, improved crop management and adoption of genetic improvements for abiotic tolerance), livestock (enhanced manure management, sustainable management of pastoral systems, higher-quality feeds, breeds selection and genetic improvement) and other land uses (improved agroforestry management strategies, agri-food by-product valorisation for renewable energy production). The transition towards diversified food systems such as plant-based foods and local productions, offers great opportunities for adaptation and mitigation, while generating significant human health benefits and freeing millions of hectares. The agricultural sector is not limited to food production encompassing a wide range of aspects such as urban and rural environment preservation, bioenergy production, soil fertility conservation, air quality improvement, carbon sequestration, and etc. This Special Issue aims to collect the latest findings about GHG emissions from agricultural systems and green infrastructures.

Guest Editors

Dr. Leonardo Verdi

Dr. Carmelo Maucieri

Dr. Laura Cardenas

Deadline for manuscript submissions

closed (10 May 2024)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



mdpi.com/si/160570

Agriculture
Editorial Office
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 3.6
CiteScore 6.3



[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, 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.

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)