

Special Issue

Mitigation of Greenhouse Gases in Agroecosystems

Message from the Guest Editor

As a result of different management practices—along with climate and soil—agroecosystems strongly differ in terms of nutrient inputs and soil environmental conditions for plant and microbial activities, which exert a strong influence on the GHG balance. Quantification of fluxes of the three main GHGs—carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O)—from agroecosystems, in order to understand the relationships between management and production and consumption of GHGs, is the first step for the development of evidence-based mitigation strategies.

In this Special Issue, we aim at compiling studies investigating GHG fluxes from agroecosystems worldwide (e.g., croplands, grasslands, agroforestry), focusing on their role in GHG turnover and on the effect of management practices on the GHG balance of these systems. We are looking for studies, not restricted by regions or agroecosystem type, where CO₂, CH₄, and N₂O are jointly evaluated, as well as those which target a single gas. Both measuring and modeling approaches, or a combination of both techniques, at any spatial scale, are welcomed.

Deadline for manuscript submissions

closed (31 May 2021)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/36547

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

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





Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



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



About the Journal

Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

Agronomy is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, 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, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)