



Net-Zero Emissions for Sustainable Food Production and Land Management

Guest Editors:

Prof. Dr. Zhengqin Xiong

College of Resources and
Environmental Sciences, Nanjing
Agricultural University, Nanjing
211800, China

Prof. Dr. Jianying Shang

Department of Land Engineering,
College of Land Science and
Technology, China Agricultural
University, Beijing 100193, China

Deadline for manuscript
submissions:

closed (31 July 2025)

Message from the Guest Editors

Nowadays, more and more industries and companies are pledging to become carbon neutral, net-zero or even carbon negative to combat global climate changes. Net-zero emissions balance the total amount of greenhouse gases (GHGs) released and the amount removed from the atmosphere, and serve as the core of carbon neutrality. How is it possible to achieve net-zero emissions for sustainable food production or land management while ensuring our food security and humanity's welfare? Future sustainable agriculture should explore systems with low net GHG emissions and GHG intensities at high crop productivity and low environmental damage costs. Research and reviews on greenhouse gas emissions and mitigations, life cycle assessments and net ecosystem economic benefits are invited for submission to this Special Issue in order to foster a better understanding of this issue among scientists and policy makers.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture,
Water and Environment
Research, Charles Sturt
University, Wagga Wagga, NSW
2678, Australia

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.

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), GEOBASE, PubAg, AGRIS, and other databases.

Journal Rank: JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)

Contact Us

Agronomy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/agronomy
agronomy@mdpi.com
[X@Agronomy_Mdpi](https://twitter.com/Agronomy_Mdpi)