



Low Carbon Agriculture and Low Reactive Nitrogen Losses under Intensification

Guest Editor:

Prof. Dr. Zhengqin Xiong

College of Resources and
Environmental Sciences, Nanjing
Agricultural University, Nanjing
210095, China

Deadline for manuscript
submissions:
closed (31 March 2023)

Message from the Guest Editor

Dear Colleagues,

To simultaneously feed the population and protect our environment, it's critical to develop sustainable agriculture techniques under the context of intensification of production and global climate change. Excessive reactive nitrogen losses and greenhouse gas emissions inevitably lead to serious environmental consequences.

It's imperative to mitigate greenhouse gas emissions improve ecosystem carbon budget, soil carbon sequestration, and lower reactive nitrogen losses while obtaining desirable crop productivity. Carbon and nitrogen footprint are closely related, and both are vital for realizing sustainable agriculture. Research works and reviews are welcome to understand the mechanisms of various approaches and strategies for sustainable low carbon and nitrogen agriculture from various agroecosystems. Procedures involved in various reactive nitrogen and greenhouse gas production and emissions are key advancements in this special issue. Let's serve together to meet a better environment and lifestyle by exploring the relationship between greenhouse gas emissions, reactive nitrogen losses, and crop production.

Prof. Dr. Zhengqin Xiong





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Peter Langridge

School of Agriculture, Food and
Wine, University of Adelaide,
Urrbrae, SA 5064, 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), PubAg, AGRIS, and other databases.

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

Contact Us

Agronomy Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/agronomy
agronomy@mdpi.com
X@Agronomy_Mdpi