

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

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Deadline for manuscript submissions

closed (10 May 2024)



Agriculture

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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.

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