

Special Issue

Emerging Trends in Agricultural Biomass Production and Utilization

Message from the Guest Editor

The increasing global demand for sustainable energy sources and the urgent need to mitigate climate change have propelled agricultural biomass into the spotlight as a viable alternative to fossil fuels. Recent research has underscored the importance of optimizing biomass feedstock production through improved agronomic practices, genetic advancements, and integrated farming systems. Furthermore, the development of efficient conversion technologies, ranging from thermochemical to biochemical processes, has enhanced the viability of transforming agricultural residues into either energy or valuable bioproducts. This Special Issue seeks to provide a comprehensive overview of current trends, while also identifying future directions for research and policy. Therefore, authors are invited to contribute work related to the potential topics of this Special Issue, which include, but are not limited to, integrated biomass systems, using agricultural residues for bioenergy and bioproduct production, advanced biofuel production, sustainable practices, and saving GHG emissions.

Guest Editor

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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.

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