

Special Issue

Practical Application of Crop Straw Reuse in Agriculture

Message from the Guest Editors

The multi-level recycling of crop straw is an important manifestation of circular agriculture and development. Crop straw has its own energy characteristics, and straw returning is a common and effective field management practice, with strong influence on soil fertility, physicochemical properties, microbial community structure and crop yield.

We look forward to witnessing a more green, low-carbon, and circular approach to the utilization of straw resources, one which can contribute economic, social and ecological benefits, in addition to achieving the full utilization of waste such as grain, vegetables, livestock and forestry. We also focus on the effects of straw mulching on crops, straw returning to fields on soil characteristics, the application of straw pyrolysis and fermentation, as well as the mechanical properties and synthetic methods of straw composite materials.

The focus of this Special Issue is to present the developments of crop straw resource utilization in agriculture. We welcome the submission of innovative research, comments and opinion articles on related topics.

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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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