

Special Issue

Impact of Plastics on Agriculture

Message from the Guest Editor

Agricultural plastics are important implements for the productivity, profitability, and sustainability of vegetables and other specialty crop production systems. However, increased plastic use has led to the stockpiling of poorly biodegradable conventional plastics on farms or other improper disposals, which leads to the formation of microplastics that can induce “plastic pollution” in soil and nearby waterways, having a negative impact on soil health and water quality, thereby posing a threat to food production systems. Even the employment of biodegradable plastics, particularly in mulch films, which provides more sustainable plastic disposal options (biodegradation in soil or by composting), produces microplastics that can reside for several months. This Special Issue aims to highlight the current state of the art of agricultural plastics. We welcome research, perspectives, and review articles pertaining to agricultural plastics: new products and applications, improved best practices for their deployment and disposal, the upcycling of plastics after the completion of their service life, and their impacts on agricultural ecosystems and farmers.

Guest Editor

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About the Journal

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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