



Reducing the Plastic Footprint of Agriculture

Guest Editors:

Prof. Dr. Pietro Picuno

School of Agricultural, Forest,
Food and Environmental
Sciences, University of Basilicata,
85100 Potenza, Italy

Dr. Dina Statuto

School of Agricultural, Forest,
Food and Environmental
Sciences, University of Basilicata,
85100 Potenza, Italy

Dr. Caterina Picuno

Sustainable Resource and Waste
Management, Hamburg
University of Technology, 21073
Hamburg, Germany

Deadline for manuscript
submissions:

closed (20 December 2023)

Message from the Guest Editors

This Special Issue aims to collect a selection of papers addressing all inter-disciplinary issues that enable a holistic approach to: identify the main use of plastics in farming activities and their advantages or threats for the sustainability of agricultural production; explore opportunities to reduce the use of plastics while maintaining the economic and environmental performance of the farm; identify innovative alternatives to plastic use in agriculture; develop good farm practices to reduce, reuse and recycle the plastic used in agriculture; identify research needs from practice and propose possible directions for further research on plastic use reduction. Covered topics would include, among others:

- Impact of plastics on the agricultural environment;
- Technical characteristics of Agricultural Plastics (AP) and relevant design-for-recycling;
- New plastic materials, including Biodegradable Bio-Plastics (BBPs);
- Best practices for on-site management and collection and recycling AP waste;
- Methods and tools for analysis, planning and management of AP waste flows using new advanced technologies.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

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

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

mdpi.com/journal/applsci
appls@mdpi.com
[X@Appls](https://twitter.com/appls)