

Special Issue

Free from Herbicides: Ecological Weed Control

Message from the Guest Editors

The European Green Deal (Farm to Fork strategy) and the U.N. Sustainable Development Goals (SDGs) demand for eco-friendly strategies that can manage weeds without using synthetic herbicides. In this context, this Special Issue aims to collate a collection of studies that update the research progress on non-chemical weed control. We invite you to share your contributions on, but not limited to, the following topics: (1) agroecological weed management; (2) the application of allelopathic mechanisms (the use of plant extracts, the set-up and use of new bioherbicides, and the integration of allelopathic plants in polycultural systems (such as cover crops, intercropping, and crop rotation)); (3) the improvement of crop competition against weeds; (4) the management of the soil seedbank; (5) weed associations and species composition; (6) the control of invasive weeds; and (7) the non-chemical control of parasitic weeds. Research papers, communications, and review articles are welcome.

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