



Natural Compounds as Bioherbicide for an Eco-Friendly Agriculture

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Message from the Guest Editors

Natural or natural-like molecules could represent a valid alternative strategy for weed management in the framework of sustainable agriculture and integrated weed management. Further, the diversity of molecular structures from living sources should provide novel chemical skeletons or templates that are unlikely to be produced by traditional herbicide synthesis programs. This Special Issue is mainly focused on, but not restricted to:

- Allelopathy;
- Isolation and identification of natural compounds from plants with biological activity against weeds;
- Identification of the target and mode of action of pure natural molecules and/or mixtures on weed/pest physiology and metabolism;
- Use of natural products as repellent/attractive agents against parasitic weeds (e.g., *Cuscuta* sp., *Orobancha* sp., *Striga* sp., etc.);
- Use of allelopathic crops in crop rotation;
- Use of essential oils for weed management;
- Synthesis of ecofriendly natural-like compounds with biological activity against weeds;
- New formulations for weed management.





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