

Special Issue

RNAi-Based Pesticides: A New Tool to Improve Sustainable Agriculture, between Real Opportunities of Suitable Applications and Facing Legal Vacuum and Citizen Bias

Message from the Guest Editors

The Special Issue will focus on the most recent advancements in the hot topic of RNAi-based products research on this new class of bioproducts that appear promising in terms of a true revolution in sustainable agriculture and arboriculture; it will also focus on updated and debating reviews on this topic. RNAi-based products, in particular RNAi-based biopesticides, could offer a suitable tool of plant protection in the context of international organization strategies, such as the European Commission Green Deal or the United Nations Environmental Program policies, wherein the use of chemical pesticides is increasingly subjected to restrictions, and a strong reduction of risks associated with hazardous pesticides is promoted, in view of an improved integrated pest management. With the scope of exploiting the introduction of RNAi-based pesticides in integrated pest management, the purpose of this Special Issue is that of highlighting strength points and vulnerabilities of such technology and of its impact in sustainable agriculture, both in scientific and regulatory aspects.

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