

Special Issue

Application of RNA Interference (RNAi) in Agricultural Pest Management

Message from the Guest Editors

The aim and scope of this Special Issue is to facilitate the dissemination of knowledge and data regarding how RNAi technology can be made more effective against agricultural pests and pathogens (e.g. invertebrates, vertebrates, fungi, weeds and viruses), and how RNAi approaches could push agriculture in a more environmentally sustainable direction. Furthermore, the Special Issue aims to address any other hurdles that prevent or slow progress towards developing such approaches. Sub-topics that are especially welcome include (but are not limited to) the following:

- Enhancing efficacy in otherwise RNAi-insensitive pests and pathogens;
- Formulation development for enhancing dsRNA stability in vivo, under environmental conditions, and in soils and waters;
- RNAi within integrated pest management (IPM) strategies;
- Greenhouse, semi-field or field studies;
- Socioeconomic aspects related to the implementation of RNAi approaches;
- Ecotoxicology, risk assessment and biosafety;
- RNAi's role in biodiversity conservation in agricultural landscapes;
- dsRNA seed treatments;
- Novel molecular targets in agricultural pests and pathogens.

Guest Editors

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Deadline for manuscript submissions

closed (10 March 2024)



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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.

Editor-in-Chief

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