



The Development and Application of a New Generation of Pesticides

Guest Editor:

Dr. Inna Popova

Department of Soil and Water
Systems, University of Idaho, 875
Perimeter Drive MS 2340,
Moscow, ID 83844-2340, USA

Deadline for manuscript
submissions:

closed (1 August 2021)

Message from the Guest Editor

Dear Colleagues,

Modern agriculture relies heavily on the use of pesticides to protect crops. It is extremely important to prevent yield losses as the global demand for food is rapidly increasing while the number of farmable lands is constantly shrinking due to the decline in soil quality, urbanization, and changes in global climate. The combination of all these factors creates a void in available pest management options and generates a strong need for the development of a next generation of pesticides by investigating unique modes of actions and feedstock material. Novel pesticides with lower toxicity to non-target species and lesser burden on ecosystem health are needed to assure the sustainability of agriculture.

The Special Issue will focus on novel and groundbreaking research in the area of pesticides with novel mechanisms of action and feedstock sources. We welcome original research and comprehensive reviews that cover related subjects, including but not limiting to bench scale studies, bioassays, isolation and analytical analysis, modeling, greenhouse and field trials, as well as the social aspect of novel pesticide use.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture,
Water and Environment
Research, Charles Sturt
University, Wagga Wagga, NSW
2678, Australia

Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. *Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

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), GEOBASE, PubAg, AGRIS, and other databases.

Journal Rank: JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)

Contact Us

Agronomy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/agronomy
agronomy@mdpi.com
X@Agronomy_Mdpi