

Special Issue

Agrochemical Ecology

Message from the Guest Editors

Chemical communications are crucial for individuals to survive and populations to thrive in ecological systems. A greater understanding of chemical communication could lead to improvements in reproductive efficiency and animal welfare, the culture of crops and microorganisms, as well as pest management in terrestrial and aquatic agricultural activities. Therefore, this Special Issue devotes to reporting the progress in origin, function, and significance of natural chemicals that may be applied to regulate the interactions within and between organisms in agricultural ecosystems. The contributions may include the original research on substantive observations of chemical mediating interactions, the elucidation of mechanisms of chemical signals production and reception, the application of natural chemical signals in the regulation of animals, the culture of crops and microorganisms, and pest management. Review articles and short communications are also welcome.

Guest Editors

Prof. Dr. Long Zhang
Dr. Xingcong Jiang
Dr. Ruo Sun

Deadline for manuscript submissions

closed (15 November 2024)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



mdpi.com/si/149876

Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)





Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)



About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental
Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)