Special Issue

Microbial Degradation of Pesticide Residues in Polluted Soil

Message from the Guest Editor

In the context of contemporary agriculture, the widespread utilization of pesticides is indispensable for pest control and crop yield optimization. However, this extensive usage has resulted in significant environmental consequences, particularly evident in soil pollution. In response to the high interest in minimizing pesticide environmental impact, various remediation technologies have been developed, including physical, chemical, and biological methods. Microbial degradation of pesticide residues in soil holds significant promise due to its environmentally sustainable and cost-effective nature. Microbial communities are capable of degrading pesticide residues in polluted soil, thereby wielding a critical role in environmental remediation and soil revitalization. Therefore, it is essential to elucidate the mechanisms and corresponding metabolic processes underlying the microbial remediation of polluted soils.

Guest Editor

Prof. Dr. Xing Huang

College of Life Sciences, Nanjing Agricultural University, Nanjing 210095, China

Deadline for manuscript submissions

closed (15 March 2024)

Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 6.3

mdpi.com/si/184802

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

mdpi.com/journal/agriculture

Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 6.3

mdpi.com/journal/agriculture

MDPI

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

Journal Rank:

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