Special Issue

The Adsorption and Degradation Pathways of Pollutants in Agricultural Soil

Message from the Guest Editor

Agricultural soils, the foundation of global food production, are increasingly threatened by a wide variety of pollutants originating from irresponsible application of high loads of pesticides, poor agricultural management, and other anthropogenic activities. Increasing population requires managing agricultural soils for higher productivity. This Special Issue explores the critical processes governing the fate and transport of contaminants within the soil matrix. It focuses on the diverse degradation pathways, encompassing microbial, chemical, and physical processes, that contribute to the stabilization and removal of pollutants from agricultural soils. Authors are invited to submit original research articles on environmentally friendly remediation mechanisms. The research can be focused on (but not limited to) the following pollutant dynamics: adsorption/stabilization of pollutants through amendment application, degradation mechanisms of emerging pollutants, development of sustainable remediation strategies, risk assessment methodologies, and management practices aimed at safeguarding soil health and ensuring the long-term productivity of agricultural ecosystems.

Guest Editor

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Deadline for manuscript submissions

10 September 2025

Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 6.3

mdpi.com/si/233890

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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.

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