

Special Issue

Assessing the Impact of Pesticides on the Agricultural Environment

Message from the Guest Editor

Pesticides are increasingly being applied to crops to increase agricultural productivity and crop yields. Their inappropriate and excessive use has adverse effects on the environment and soil. Soil is a major component of terrestrial ecosystems and a source of nutrients for plants and various organisms. Soil microorganism communities and soil enzyme activities are considered basic indicators of soil fertility and pollution status. These features respond promptly to environmental changes by reflecting biological changes caused by pollution and contamination. The increase in the use of pesticides has led to water pollution and ecological problems, creating a negative impact on the environment with repercussions on animal and human health. This Special Issue focuses on the impact of pesticides on the environment, particularly on soil microbiota, soil fertility and agricultural productivity. The mechanisms of action and the impact of pesticides on microorganisms, organisms and ecosystems as a whole are still insufficiently studied. With this Special Issue, we hope to uncover new insights into the efficient management of the application of pesticides in agriculture.

Guest Editor

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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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