



## Humic Substances and Compost in Agriculture: Types, Properties and Application

Guest Editors:

**Dr. Magdalena Banach-Szott**

Department of Biogeochemistry  
and Soil Science, Bydgoszcz  
University of Science and  
Technology, Al. prof. S. Kaliskiego  
7, 85-796 Bydgoszcz, Poland

**Dr. Joanna Lemanowicz**

Department of Biogeochemistry  
and Soil Science, Bydgoszcz  
University of Science and  
Technology, Al. prof. S. Kaliskiego  
7, 85-796 Bydgoszcz, Poland

Deadline for manuscript  
submissions:

**closed (20 May 2024)**

### Message from the Guest Editors

Humic substances participate in all processes occurring in soil, and thus, influence its physical, chemical and biological properties. These compounds improve the buffering capacity of soils, provide plants with available microelements, and immobilize organic pollutants and metals. Humic substances also determine the production potential of soils and perform environmental functions by participating in the global carbon cycle.

As a result of increasing soil degradation and losses of organic carbon due to changes in land use and the intensification of agricultural production, local, regional and global soil protection has become one of the key objective for the management of carbon resources.

Therefore, it is important to understand the nature, composition and dynamics of transformations of humic substances. Preserving soil humus resources is important not only in terms of soil productivity but also from the point of view of the role of soils in sequestering (binding) carbon from the atmosphere.

Original research articles and review articles are welcome, providing innovative insights into humic substances and compost in agriculture.





an Open Access Journal by MDPI

## 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

## Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

## 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)

## Contact Us

---

Agriculture Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

mdpi.com/journal/agriculture  
agriculture@mdpi.com  
X@AgricultureMdpi