

Special Issue

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

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.

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