

Membrane-micelle model for humus in soils and sediments and its relation to humification

U.S. G.P.O. - Frontiers



Description: -

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Philosophy

Fiction - General

General

Plant polymers -- Biodegradation.

Membranes (Biology)

Micelles.

Humification. Membrane-micelle model for humus in soils and sediments and its relation to humification

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U.S. Geological Survey water-supply paper ; Membrane-micelle model for humus in soils and sediments and its relation to humification

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Tags: #Humic #acids: #Their #detergent #qualities #and #potential #uses #in #pollution #remediation

Aggregation of humic acid in solution: Contributions of different fractions

Pseudomicelles Aqueous solutions of synthetic surfactants have a characteristic concentration known as the critical micelle concentration c.

Mechanism of formation of humus coatings on mineral surfaces 1. Evidence for multidentate binding of organic acids from compost leachate on alumina

Water Resources Investigations Report 89-4196, US Geological Survey, Denver, CO. Much of the research in soil microbiology over the last two decades has been predicated on the notion that the physical or chemical properties of microenvironments where microorganisms reside in soils are irrelevant, and that extracted DNA or RNA molecules contain all the information that is needed to make sense of the activity of microbes in soils. Rebhun M, Meir S, Laor Y: Using dissolved humic acids to remove hydrophobic contaminants from water by complexation-flocculation process.

Mechanism of formation of humus coatings on mineral surfaces 3. Composition of adsorbed organic acids from compost leachate on alumina by solid

In 1936, slightly over 80 years ago, Selman Waksman published a momentous and monumental book in which he reviewed in great detail what was known and not known at the time about the origin, chemical composition, and importance of humus. Wershaw RL: Model for humus in soils and sediments. Wershaw RL, Kennedy KR: Humic substances.

Mechanism of formation of humus coatings on mineral surfaces 3. Composition of adsorbed organic acids from compost leachate on alumina by solid

In work dealing with conventional humic micelles, the HA concentrations used have generally been in the mg mL⁻¹ ppt range.

Mechanism of formation of humus coatings on mineral surfaces 1. Evidence for multidentate binding of organic acids from compost leachate on alumina

In aqueous media, FA is, for obvious reasons, generally more plentiful. Schulten H-R, Schnitzer M: Three-dimensional models for humic acids and soil organic matter. Apart from being an important characteristic in its own right—for metal storage and transport—this also has a major influence on the detergent character of humics.

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Oxolinic acid and oxytetracycline are commonly used antibacterial agents for treatment of infectious diseases in marine fish farming and reach sediments.

Aggregation of humic acid in solution: Contributions of different fractions

To some extent, an answer to this question can be found in reflections Waksman made later when he pointed out that soil scientists demonstrated very little recognition toward soil microbiology in the early part of the twentieth century.

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