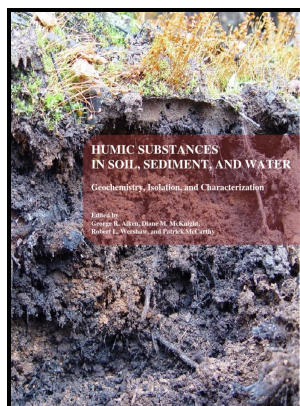


# Membrane-micelle model for humus in soils and sediments and its relation to humification

U.S. G.P.O. - Aggregation of humic acid in solution: Contributions of different fractions



Description: -

-

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

-

2410

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

Notes: Includes bibliographical references (p. 42-48).

This edition was published in 1994



Filesize: 16.12 MB

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

## Membrane

Edited by: Aiken GR, McKnight DM, Wershaw RL, MacCarthy P.

## Membrane

After managed to isolate for the first time an antibiotic gramicidin produced by a soil microorganism, the enormous practical consequences of this fundamental breakthrough for health care, and especially for the treatment of wounded soldiers, became rapidly obvious ;.

## Sorption of oxolinic acid and oxytetracycline to marine sediments

Wikipedia citation Copy and paste this code into your Wikipedia page. 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.

## Sources and Age of Aquatic Humus

Acidity is in fact an enabling factor for extraction with LHA, since a low pH reduces its solubility to a negligible value. Paul EA, Campbell CA, Rennie CA, McCallum KJ: Investigations of the dynamics of soil humus, utilizing carbon-dating techniques.

## Aggregation of humic acid in solution: Contributions of different fractions

In contrast, some soil HAs contain extensive alkyl linkages that lead to a flexible structure. No use, distribution or reproduction is permitted which does not comply with these terms.

## Sources and Age of Aquatic Humus

The differences in solubility between FA and HA are necessarily based on chemical differences. There is, for instance, the matter of the anionic nature of HAs and their progressive aggregation with decreasing pH or increasing metal ion concentrations *vide supra*.

### **Sources and Age of Aquatic Humus**

A continuous elution process through a column packed with humic acid allows for the removal of both heavy metals and organic xenobiotics from aqueous solution. A view that is presently widely accepted holds that this is due to a micelle-like organization in HA polymers in aqueous solution. Author: Markus Weidler Publisher: Bloomsbury Publishing ISBN: 9781350083417 Category: Philosophy Page: 288 View: 298 Addressing Heidegger's continuing centrality to continental thought, Markus Weidler argues that Heidegger's prickly charm is best explained in terms of his great ingenuity, crafting a novel genre of writing which promises to harness the revelatory power of artworks for the purpose of philosophical inquiry.

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