

Interactions between soil particles and microorganisms - impact on the terrestrial ecosystem

John Wiley & Sons - Interactions between Soil Particles and Microorganisms



Description: -

- Soils -- Organic compound content.
- Soil mineralogy.
- Soil microbiology.
- Soil physical chemistry.
- Interactions between soil particles and microorganisms - impact on the terrestrial ecosystem

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Symbiotic mutualisms involve an intimate physiological link between the species. Many soil bacteria are known to degrade the organophosphonate glyfosate, e.

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As additional cases of the disease were reported in the following weeks, physicians and scientists worked intensively to narrow down the list of possible causes. In S2, a similar effect was observed with Nitrospira, Rubrobacter, and a Rubrobacteraceae species Fig. FEMS Microbiol Ecol 29, 303—310 1999.

Impact of phages on soil bacterial communities and nitrogen availability under different assembly scenarios

Signature fatty acids provide tools for determination of the distribution and interactions of mycorrhizal fungi in soils. Changes in plant communities by invasive plants typically generate positive feedback interactions with the soil microbiota of the invaded environments Klironomos, 2002. The amount of carbon allocated to root growth varies with the type of plant.

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The Navajo Native Americans recognize a similar disease in their medical traditions, and associate its occurrence with mice. Plant Soil 261, 245—255 2004.

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The reproduction and nutrient turnover rates translate into a difference in the responses of the pathways to disturbances and to the availability i. Among these characteristics, the large competitive aggressiveness is the most related to yield losses, since weeds have greater ability to extract soil nutrients in relation to crops Carvalho et al. As both of these approaches have their limitations, some ecologists suggest that results from these

experimental systems should be used only in conjunction with holistic ecosystem studies to obtain the most representative data about ecosystem structure, function, and dynamics.

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