

## The Effect of Vegetation upon Soil Bacterial Communities

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### Reviews

Undoubtedly, this is the best work by any author. It is really simplified but shocks within the 50 % in the publication. Its been written in an extremely straightforward way and is particularly just following i finished reading this publication by which basically altered me, modify the way in my opinion. (Vivianne Dietrich)

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#### THE EFFECT OF VEGETATION UPON SOIL BACTERIAL COMMUNITIES



Condition: New. Publisher/Verlag: VDM Verlag Dr. Müller | Examining Diversity and Function in a Scottish Grassland Soil | By decomposing organic matter, bacterial communities are essential for plant growth and ecosystem functioning. Conversely, plants select for particular bacterial communities by depositing C resources belowground. These substrates are utilised by bacteria, which consequently drives soil C cycling. However, the exact mechanisms of this intimate relationship remain unclear. This book examines the effects of vegetation on bacterial community structure and whether plant driven differences in bacterial community composition affect C cycling in a grassland soil at the NERC experimental field site, Sourhope, Scotland. Four experiments were carried out to assess C cycling through basal soil respiration, substrate-specific respiration and priming effects measurements. Concurrently, soil bacterial communities were examined using a range of molecular techniques including stable isotope probing. This work highlights linkages between soil bacterial community composition and C functioning, and will be of interest to soil ecologists interested in above ground, belowground interactions. | Format: Paperback | Language/Sprache: english | 285 gr | 208 pp.

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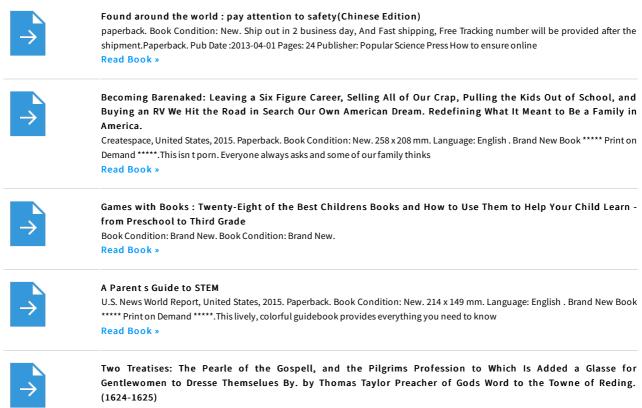
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