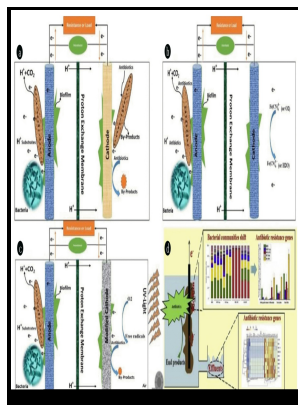


Techniques for the assessment of microbial production and decomposition in fresh waters.

Blackwell Scientific Publications [for] International Biological Programme - UNEP
Environmental Effects of Ozone Depletion: 1994 Assessment



Description: -

- Freshwater microbiology. Techniques for the assessment of microbial production and decomposition in fresh waters.

- IBP handbook -- 23.

IBP handbook, no. 23 Techniques for the assessment of microbial production and decomposition in fresh waters.

Notes: Bibliography: p. 99-105.

This edition was published in 1972



Filesize: 69.83 MB

Tags: #Decomposition: #Relative #Bacterial #Heterotrophic #Activity #on #Soluble #Organic #Matter

UNEP Environmental Effects of Ozone Depletion: 1994 Assessment

The number behind each neutral loss formula denotes the number of molecular formulae for which the respective loss was detected. The less saline springs 1—4 could be equally well explained by mixing of JGA water with either 1.

Rapid microbial diversification of dissolved organic matter in oceanic surface waters leads to carbon sequestration

These and other results suggest that only a portion of the lactate dissimilated is turned over through the acetate pool.

Exploitation of algal

Bacterial release of dissolved organic matter during cell growth and decline: molecular origin and composition. Our results here along with past studies e.

Molecular microbiology techniques

Despite a strong quantitative variability in DOC concentrations and diverging microbial communities, molecular DOM composition varied very little over time and among the mesocosms. Very little is known about the effects of enhanced solar UV radiation on the terrestrial nitrogen cycle. Overall, Chao 1 values for the methanogens increased between 3 and 17% in the litter amended sediments relative to the litter controls.

Decomposition of organic matter in aquaculture systems « Global Aquaculture Advocate

Rare Earth Elements and Yttrium REY REY were measured using ICP-MS Elan-DRC, Perkin Elmer, Germany as previously described. Measurement of the rates of decomposition and of mineralization of organic matter in natural waters is difficult and has been approached in a number of ways.

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Although the springs emerge over a relatively small area at the Dead Sea floor, our data indicate that their flow between the graben shoulders and the lake occurs through pathways of different hydraulic conductivities. The conceptual framework of the microbial carbon pump summarizes the not yet fully understood biological processes leading to RDOM formation. Polyphenols were found to correlate with changes in the bacterial, methanogen, and fungal communities; most notably dominance of fungi over bacteria as polyphenol levels increased with higher abundance of the white rot fungi *Phlebia* spp.

Microbiological Reduction Strategies of Irrigation Water for Fresh Produce

Most studies dealing with lignin degradation focus on single strains under laboratory conditions, whereas proof of lignin degradation under field conditions or under natural competition is still lacking. Grey lines average scores at sampling points and illustrate chronological sequence; grey boxes show the s.

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