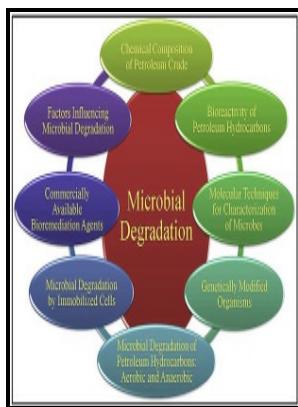


Biodegradation of crude oil and individual hydrocarbons by microorganisms

- - Microbial degradation of petroleum hydrocarbons



Description:-

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Notes: Thesis (Ph.D.) - Loughborough University of Technology, 1991.

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Biodegradation of Crude Oil by Individual Bacterial Strains and a Mixed Bacterial Consortium Isolated from Hydrocarbon Contaminated Areas, Clean

Microbial Biotechnology, 2009; 2: 587-594.

British Library EThOS: Biodegradation of crude oil and individual hydrocarbons by microorganisms

Its metabolism has been studied under ammonia rich conditions and is recognized as limiting reactants in the conversion of ammonia. Biodegradation of Lagoma crude oil using pig dung. Adsorption by heat-killed mycelial pellets increased within 40 and 10 min for crude oil and PAHs, respectively, and remained constant thereafter.

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Biodegradation of n-alkanes: metabolism begins with the activity of a monooxygenase which introduces a hydroxyl group into the aliphatic chain.

Aliphatic Hydrocarbon Profile of Crude

Although chemical-physical phenomena play an important role in the process of oil detoxification, the ultimate and complete degradation is mainly accomplished by marine microflora, dominant bacteria in this role. However, with the increasing application of in the field of, a new and promising perspective is now at hand to obtain molecular insights into these new metabolic properties. Results obtained with hybridization with probe for Eubacteria and Alcanivorax sp.

Microbial biodegradation

Functional Genomics of Sulfate-Reducing Bacteria Degrading Hydrocarbons. Previous findings have emphasized the prevalence of Pseudomonas species in hydro-carbon contaminated environments and reported their catabolic competence and genetic agility.

Biodegradation of Petroleum Compound Using *Pseudomonas aeruginosa*

Comprehensive Analysis of Changes in Crude Oil Chemical Composition during Biosouring and Treatments. Biodegradation of gas caps and solution gases Reservoir gas caps and solution gases also undergo biodegradation in cool reservoirs.

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Screening of petroleum degrading bacteria from cow dung. In a two-species experiment, *Alcanivorax borkumensis* outcompeted *Acinetobacter venetianus*, but the filtered spent medium from *Alcanivorax borkumensis* did not influence the growth of *Acinetobacter venetianus*, rather Hara et al.

Biodegradation of crude oil by individual bacterial strains and a mixed bacterial consortium

Journal of Bacteriology, 1999; 181: 3105—3113. Hydrocarbon are major constituents of crude oil and petroleum.

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