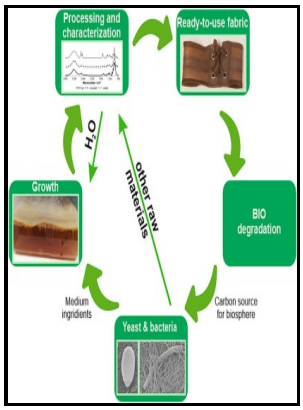
Microbial decomposition of cellulose - with special reference to cotton textiles.

Reinhold - CAB Direct



Description: -
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Textile fibers.
Microorganisms.
Cellulose.Microbial decomposition of cellulose - with special reference to cotton textiles.
-Microbial decomposition of cellulose - with special reference to cotton textiles.
Notes: Includes bibliographies.
This edition was published in 1951

Filesize: 8.52 MB

Tags: #Low

The preparation and antibacterial activity of cellulose/ZnO composite: a review

Upper left CBH I alone. Because hydrolysis continues progressively, it may be stopped at the first substitution encountered.

Microbial Decomposition of Cellulose With Special Reference to Cotton Textiles: Siu, R. G. H.: vip.stumagz.com: Books

In this investigation, first the toxic effect of nitrocellulose NC on anaerobic microorganisms with and without the presence of a supplementary carbon source was evaluated.

Decomposition of Cellulose by Microorganisms on JSTOR

The enrichment culture was able to degrade CA films within 2—3 weeks, as indicated by 67% weight loss. A review of key patent disclosures will illustrate highlights of this diversity of ideas for enhancing degradation rates. The removal of the lower molecular weight material allowed an increase in surface area, and thus better assess for the cellulase enzyme.

Decomposition of Cellulose by Microorganisms on JSTOR

At the end of the process, the fabrics were immersed in boiling water for two minutes to kill the enzyme activity as well as to remove the degraded fragments of the sizing agent. Secondary mechanisms are important in the photo degradation of cellulose acetate, which comprise other substances absorbing light and generating radicals for reacting with the cellulose acetate structure, these include photocatalytic oxidation or photosensitized degradation.

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