Abstract

Poly (β-hydroxybutyrate) (PHB) belongs to a family of microbial energy/carbon storage compounds collectively known as poly hydroxyalkanoates. About 150 different PHAs have been identified as constituents of bacterial polyesters. PHB is natural, biodegradable polyester which is accumulated in the form of intracellular granules by a variety of heterotrophic and autotrophic aerobic bacteria, photosynthetic anaerobic bacteria, gliding bacteria, Actinomycetes sp, cyanobacteria and recently an anaerobic fatty acid oxidizing gram negative bacterium. Until now there are only few reports on marine PHAs producing microorganisms. With this background an optimization of media components for the effective PHB production using different industrial waste has been attempted for this study.
References


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Keywords
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