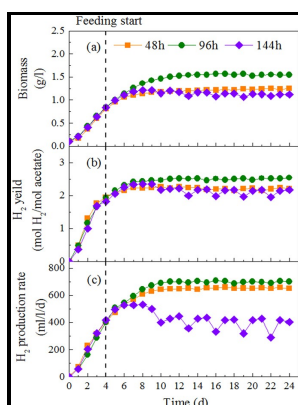


Use of immobilized hydrogenase for hydrogen production

Directorate-General Information Market and Innovation, Commission of the European Communities - Hydrogen production by immobilized *Chlorella vulgaris*: optimizing pH, carbon source and light



Description: -

-Use of immobilized hydrogenase for hydrogen production

EUR 7540

EnergyUse of immobilized hydrogenase for hydrogen production

Notes: At foot of title page: Directorate-General for Research, Science and Education.

This edition was published in 1981



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Tags: #Biohydrogen #production #by #Chlorella #vulgaris #and #Scenedesmus #obliquus #immobilized #cultivated #in #artificial #wastewater #under #different #light #quality

PHOTOBIOLOGICAL PRODUCTION OF HYDROGEN AND ELECTRICITY

The manuscript has not been published previously partly or in full. Microalgae culture development and sampling. Glucose, fructose, sucrose and malt extract were compared as organic carbon sources.

Biohydrogen production by *Chlorella vulgaris* and *Scenedesmus obliquus* immobilized cultivated in artificial wastewater under different light quality

Kumar N, Das D 2000 Enhancement of hydrogen production by *Enterobacter cloacae* IIT-BT 08.

Immobilized algal cells used for hydrogen production

On the other hand, hydrogen production is achieved by the degradation of internal stored compounds and can be increased by the addition of external carbon source. No data have been fabricated or manipulated including images to support our conclusions.

Enhanced Hydrogen Production by Co

However, not all species of *Chlamydomonas* have an inducible enzyme to produce hydrogen in the light.

Use of immobilized hydrogenase for hydrogen production

PCF: Sample analysis and monitoring; Microalgae culture; analysis of data. The goal of the project is to produce Isobutanol IBT, a branched-chain alcohol that can serve as a drop-in transportation fuel, through the engineered microbial biosynthesis of Carbon Dioxide, Hydrogen, and

Oxygen using a novel bioreactor.

Use of cell

Consent to submit has been received explicitly from all co-authors, as well as from the responsible authorities - tacitly or explicitly - at the Autonomous University of Carmen, where the work has been carried out. Continuous methods for oxygen removal permit sustained large scale production hydrogen.

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