OPTIMIZATION OF 6-PENTYL-ALPHA-PYR PRODUCTION BY SOLID STATE FERMENT SUGARCANE BAGASSE AS RESIDUE

Natalia C. Ladeira, Vania Jordão Peixoto, Manoela Peçanha Penha, Elis Barros, Selma Gomes Ferreira Leite

Abstract

Solid state fermentation (SSF) has been used as a model for the study of microorganisms. The aim of the present study was to enhance 6-PP harzianum 4040 in solid state fermentation using sugarcane bagasse a factorial design was used to select the components of the nutrient solu carried out during 9 days, and the aroma extraction was done on the t days using organic solvent. On the seventh day the major concentrati variables glucose, sucrose, and MgSO4 were found to be significant sta components of the nutrient solution used in the production of 6-PP by f