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P24- Comparative Studies Using Ligninolytic Fungi On The Treatment Of Simulated Textile Effluents Containing Bioaccessible

Azobenzene dves denyatives are largely used in textile industry. Ligninolytic fungi are able to degrade these dves by oxidative mechanisms. avoiding carcinogenic/mutagenic anilines formation by reductive cleavage of the azo bond. With this aim we propose the use of new

bioaccessible dyes (containing groups present in lignin structure) in the textile industry, thinking of a biological effluent treatment with

with T. versicolor.

ligninglytic fundi. Comparative studies of decolourization of simulated effluents with these dives are presented using two species;

Phanerochaete chrysosporium and Trametes versicolor. Some differences in the enzymatic system can explain the better results achieved