

Decoloriation of Rhodamine-B Dye by *Pseudomonas putida* on Activated Carbon

Authors : U. K. Ghosh, A. Ullhyan

Abstract : Activated carbon prepared from mustard stalk was applied to decolorize Rhodamine-B dye bearing synthetic wastewater by simple adsorption and simultaneous adsorption and biodegradation (SAB) using *Pseudomonas putida* MTCC 1194. Results showed that percentage of Rhodamine-B dye removal was 82% for adsorption and 99.3% for SAB at pH 6.5, adsorbent dose 10 g/L and temperature 32°C.

Keywords : activated carbon, mustard stalk, Rhodamine-B, adsorption, SAB, *Pseudomonas putida*

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