

Title:	A process for degradation of Dichloro Diphenyl Trichloroethane(DDT) using an improved strain of <i>Serratia marcescens</i>
Abstract :	The present invention provides a process for degradation of dichlorodiphenyltrichloroethane (DDT) using an improved bacterial strain of <i>Serratia marcescens</i> . A novel improved strain of <i>Serratia marcescens</i> having ability to degrade DDT was isolated by enrichment of DDT contaminated soil and culturing in medium containing 5ppm DDT as the sole source of carbon. The obtained strain was cultivated in a 0.5% basal glucose- minimal medium containing 10 ppm DDT and a co-substrate, at a temperature of 20-30°C for 2 h. The said culture acclimatized in shake culture for a period of 48 hours , the acclimatized culture degrade DDT within 72 h.