

Process optimization of industrial wastewater treatment using anaerobic fluidized bed reactor

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Fixed film reactors are one of the oldest methods of waste water treatment. In the last few years several process have been developed which have led to a resurgence of interest. An anaerobic fluidized bed-contact reactor system has been developed for the pretreatment of high COD and BOD waste water of pharmaceutical industries at approximately 3000 mg/L COD. Treatment efficiencies in excess of 80% total COD reduction were possible with loading rates of up to 10-12 kg/m³/day. Sludge production was approximately 0.1 Kg/Kg COD and BOD removed and the system demonstrated considerable process stability.

Biography

T Mohammad Munawar has completed his M.Tech from Osmania University. He is working as lecturer in JNTUA College of Engineering, Pulivendula, India. He has published 3 International papers in reputed journals.

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