عنوان مقاله:

Modeling of Biofiltration process for VC Removal from an Air Stream and Optimization of Model Parameters by Genetic Algorithm

محل انتشار:

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خلاصه مقاله:

In this article, Modeling of Biofiltration process for VC Removal is presented. The modified Ottengraf mathematical modeling was used for modeling process. With determining process kinetic parameters and some of the special model parameters, experimental results fitted by model equation. For optimization this parameters used genetic algorithm. The final parameters by curve fitting model parameters for experimental results compare with the genetic algorithm method. Both of the results indicated that the modified Ottengraf model could conform to a final .experimental data of Biotrickling filter very well

کلمات کلیدی:

biofiltration,vinyl chloride,modelling ,sensitivity analysis,genetic algorithm