

Institute of Chemical Engineering

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Capability analysis of air purification from xylene in bioreactors

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Abstract: Critical review of literature data concerning problem of xylenes removal from air by means of fixed bed bioreactor is presented. The influence of some important parameters (inlet pollutant load, residence time, liquid mass flow rate, presence of another pollutant, mineral medium composition) on elimination capacity (EC) or removal efficiency (RE) is described. For discussed literature studies operational parameters, bioreactor configuration and construction, type of packing material and type of microorganisms employed are provided.

Attachments:

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