

## عنوان مقاله:

Risk assessment of corrosion in different components of anaerobic bioreactor with incident reporting risk matrix method

## محل انتشار:

سومین کنفرانس مهندسی صنایع، اقتصاد و مدیریت (سال: 1399)

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## خلاصه مقاله:

In this novel and applied study, it was investigated risk assessment of corrosion in different components of an aerobic bioreactor with incident reporting risk matrix method. These components included pipe of inlet feed/ related elbow/ related pump, pipe of inlet air/ related fittings and aerator, agitator, bioreactor internal surface, probes sensors and pipe of effluent/ related elbow/ related pump. With for achievement to this this aim, incident reporting risk matrix method, as a very effective method, was used. It was investigated the hazards, their causes and effects. Also, it was identified the occurrence possibilities and severity of consequences. Moreover, risk levels were obtained. It was found that 60% of the risks had probability level of "possible". Also, 50% of the risks had severity levels of "moderate". According to results, 50% of the risks had "medium" level as risk importance level. It was proposed prevention and control actions for decreasing and controlling risks.

## کلمات کلیدی:

Risk assessment, Corrosion, Aerobic, Bioreactor

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1163236>

