

6th World Congress on

BIOFUELS AND BIOENERGY

September 05-06, 2017 | London, UK

Organic shock loads effects (with and without alkalinity) in submerged anaerobic membrane bioreactors
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High strength wastewaters including effluents from distillery, brewery, sugar and maize products industries require treatment before discharge into aquatic environment. For carbon decontamination of food and beverage industries effluents, membrane bioreactors are being developed to decouple the solid retention time from the hydraulic retention time (HRT) and to produce solids free better quality effluents while the use of anaerobic biomass reduces the cost of excessive sludge disposal and produces methane as a source of renewable energy. One litre submerged anaerobic membrane bioreactor