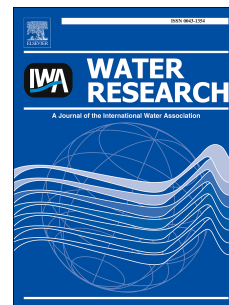


Accepted Manuscript

Utilizing ion-exchange resin to improve recovery from organic shock-loading in an AnMBR treating sewage sludge

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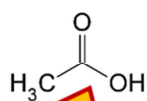
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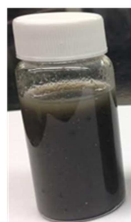
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Anion-exchange resin was added to an AnMBR to improve recovery after organic shock-loading



Faster rate of recovery of methane production and effluent quality was achieved

Primary Sludge Influent



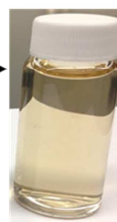
Anaerobic Membrane Bioreactor (AnMBR)



Strong-base IX Resin

Membrane

Solids Free Liquid Effluent



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