

Supporting Information

Coupling microbial electrochemical system and activated carbon biofilter for source-separated greywater treatment

Mayank Dhadwal, Yang Liu^{*}, Bipro Ranjan Dhar^{*}

Department of Civil and Environmental Engineering, University of Alberta, 9211-116

Street NW, Edmonton, AB, T6G 1H9, Canada

^{*} Corresponding authors.

E-mail address: bipro@ualberta.ca (B.R. Dhar), yang.liu@ualberta.ca (Y. Liu)

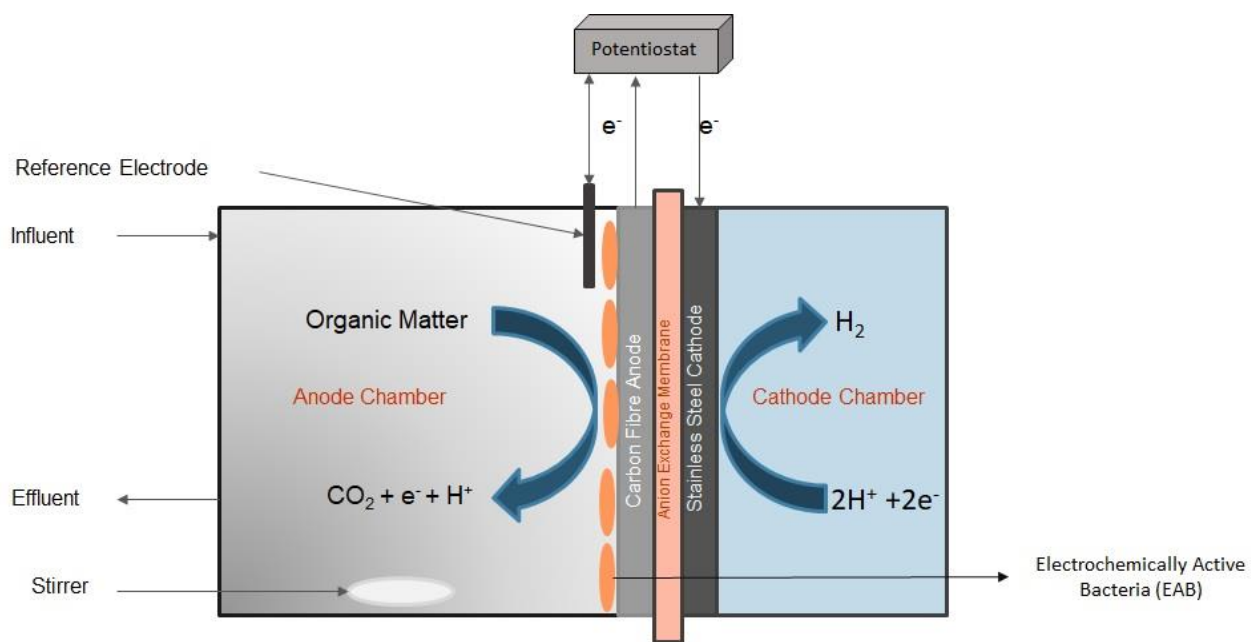
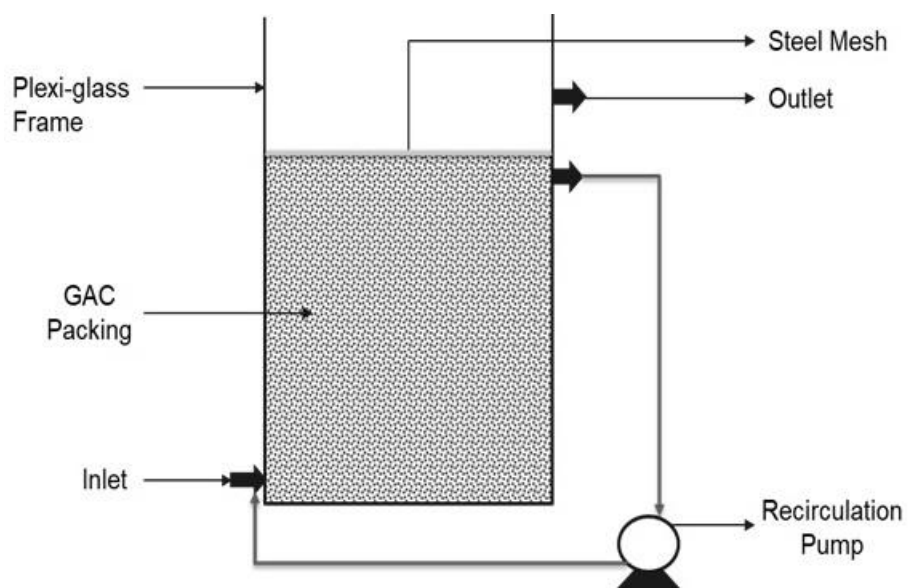


Fig. S1: Schematic diagram of microbial electrolysis cell used in this study.

(a)



(b)



Fig. S2: (a) Schematic diagram of granular activated carbon (GAC) biofilter, (b) photograph of GAC biofilter setup.

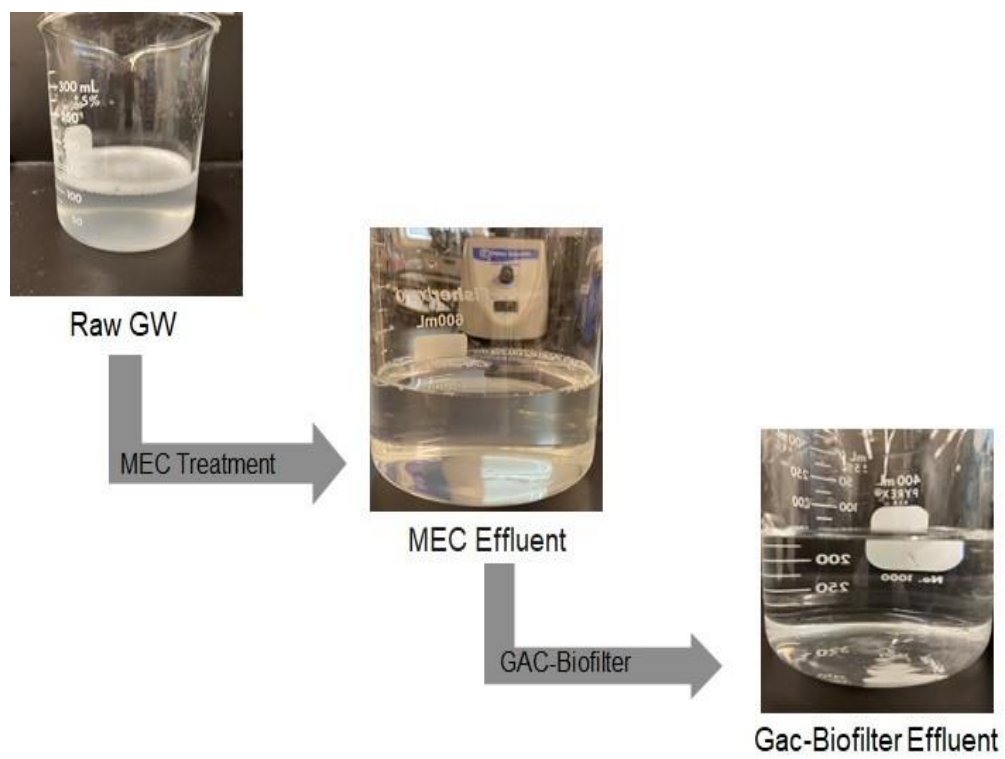


Fig. S3: Photographs of raw and treated greywater.

Table S1: Results from uninoculated GAC biofilter.

Contact time (h)	Effluent		TCOD Removal (%)	Surfactant removal (%)
	TCOD (mg/L)	LAS (mg/L)		
1	58±2.5	6.8±0.6	87.52%	88.27%
0.5	76±1.5	10.4±0.4	83.65%	82.06%

Note. Influent TCOD and LAS concentrations were 465±2 mg/L, and 58 ±0.4 mg/L, respectively.