Supplementary Materials

Surfactant-Mediated Microalgal Flocculation: Process Efficiency and Kinetic Modelling

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Table S1. Harvesting efficiencies obtained for the two strains of microalga, *Tetraselmis* sp., studied.

***Tetraselmis* sp. 75LG**				***Tetraselmis* sp. 46NLG**			
Surfactant	**Concentration (mg L^{-1})**	**Harvesting efficiency (%)**		**Surfactant**	**Concentration (mg L^{-1})**	**Harvesting efficiency (%)**	
		60 min	120 min			60 min	120 min
CTAB	0	20±3	80.6±0.6	**CTAB**	0	35±2	88.1±0.5
	1500	88.3±0.5	92.1±0.3		2000	88.2±0.5	96.1±0.1
DTAB	0	33±4	74±2	**DTAB**	0	38±3	88.1±0.6
	2000	77±1	85.8±0.8		2000	78±3	86.6±0.6

Table S2. The coefficient of determination (R^2) obtained for the different kinetic models.

	Concentration (mg L^{-1})	Coefficient of Determination (R^2)					
		Tetraselmis **sp. 75LG**			*Tetraselmis* **sp. 46NLG**		
		Kinetic models			**Kinetic models**		
		Gompertz	First order	Second order	Gompertz	First order	Second order
CTAB	0	0.925	0.830	0.760	0.987	0.953	0.882
	100	0.945	0.923	0.867	0.984	0.965	0.899
	200	0.992	0.968	0.911	0.979	0.989	0.960
	300	0.990	0.985	0.946	0.986	0.965	0.925
	400	0.991	0.968	0.982	0.982	0.974	0.933
	500	0.987	0.976	0.967	0.994	0.988	0.945
	1000	0.995	0.946	0.995	0.994	0.990	0.953
	1500	0.995	0.970	0.997	0.993	0.921	0.851
	2000	0.998	0.962	0.994	0.988	0.974	0.935
DTAB	0	0.970	0.926	0.870	0.951	0.863	0.778
	100	0.955	0.951	0.905	0.956	0.912	0.838
	200	0.982	0.955	0.895	0.978	0.919	0.835
	300	0.978	0.975	0.928	0.984	0.923	0.843
	400	0.972	0.914	0.842	0.981	0.905	0.811
	500	0.984	0.930	0.851	0.984	0.898	0.814
	1000	0.981	0.944	0.879	0.980	0.987	0.944
	1500	0.992	0.942	0.884	0.990	0.982	0.950
	2000	0.992	0.969	0.939	0.991	0.958	0.894
SDS	0	0.983	0.968	0.909	0.976	0.900	0.809
	100	0.984	0.965	0.911	0.984	0.893	0.816
	200	0.958	0.947	0.891	0.957	0.937	0.873
	300	0.979	0.962	0.905	0.967	0.936	0.862
	400	0.964	0.915	0.854	0.976	0.849	0.743
	500	0.963	0.912	0.848	0.968	0.895	0.803
	1000	0.953	0.885	0.811	0.979	0.842	0.738
	1500	0.987	0.896	0.808	0.956	0.830	0.726
	2000	0.964	0.870	0.782	0.984	0.931	0.855