



Supplementary Materials

Table S1. Synthetic Wastewater Composition

Compound Name	Concentration (mg/L)
Organic Nutrients	
Sodium Acetate (CH_3COONa)	641.025
Ammonium sulphate ($(\text{NH}_4)_2\text{SO}_4$)	235.849
Potassium dihydrogen phosphate (KH_2PO_4)	21.968
Trace Nutrients	
Ferric chloride Hexahydrate ($\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$)	2.42
Calcium chloride ($\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$)	0.37
Magnesium sulphate Heptahydrate ($\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$)	5.08
Manganese II chloride Tetrahydrate ($\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$)	0.28
Zinc sulphate Heptahydrate ($\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$)	0.44
Copper II sulphate Pentahydrate ($\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$)	0.39
Cobalt II chloride Hexahydrate ($\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$)	0.42
Sodium molybdate dihydrate ($\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$)	1.26

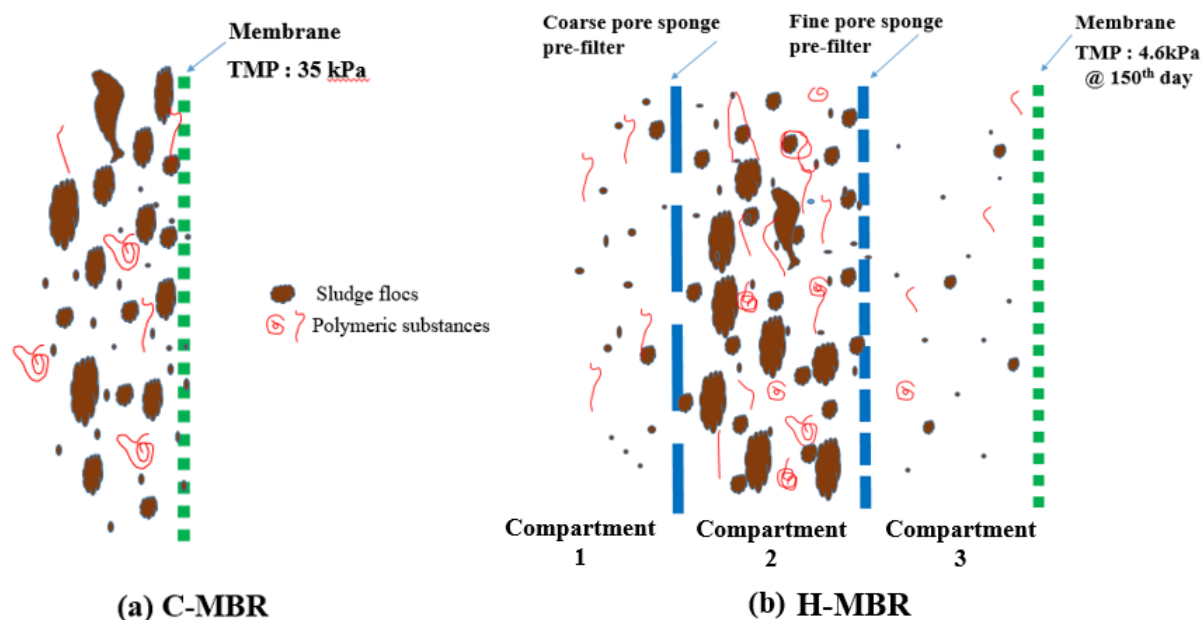


Fig. S1. Mechanism of fouling control.