



Supplementary Materials

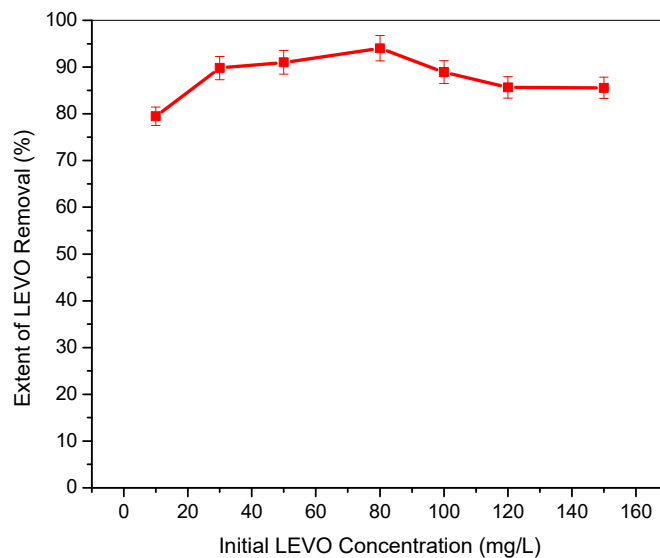


Fig. S1. Effect of initial concentration on LEVO uptake. (Dosage: 0.1 g, temperature: 298 K, time: 60 min)

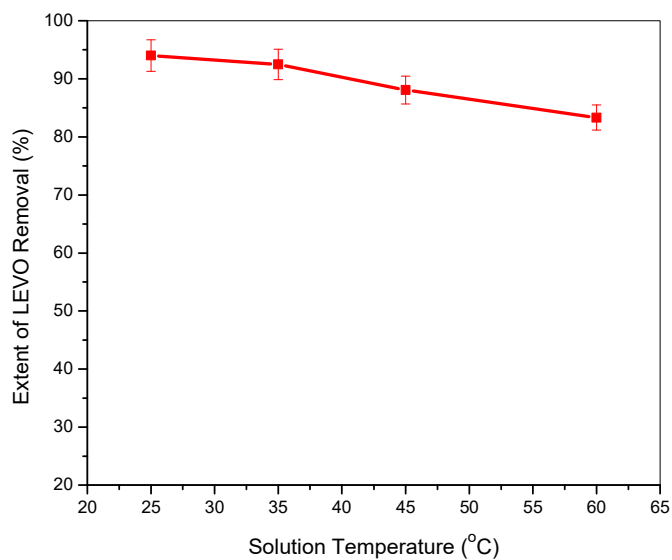


Fig. S2. Effect of solution temperature on LEVO uptake. (Dosage: 0.1 g, Co: 80 mg/L, time: 60 min)

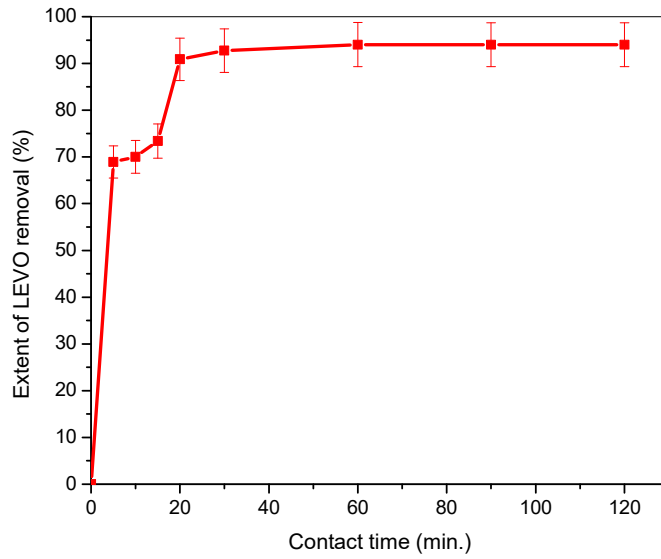


Fig. S3. Effect of time on LEVO uptake (Dosage: 0.1 g, temperature: 298 K, Co: 80 mg/L).

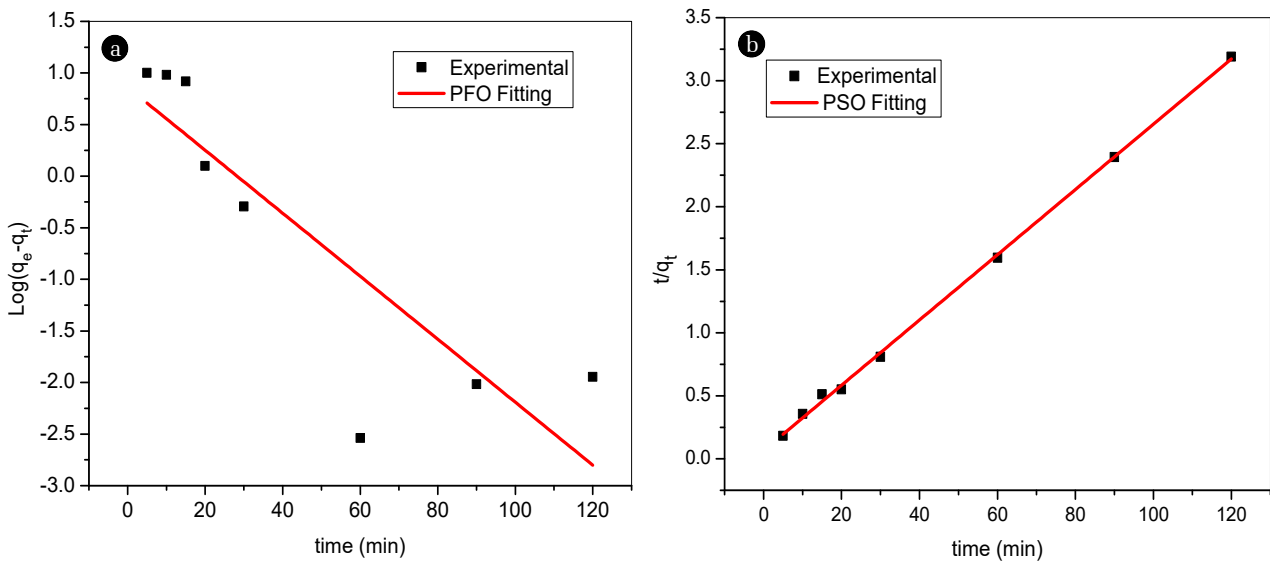


Fig. S4. (a) Pseudo-first order (PFO), and (b) pseudo-second-order (PSO) kinetic models of LEVO on BSM composite.

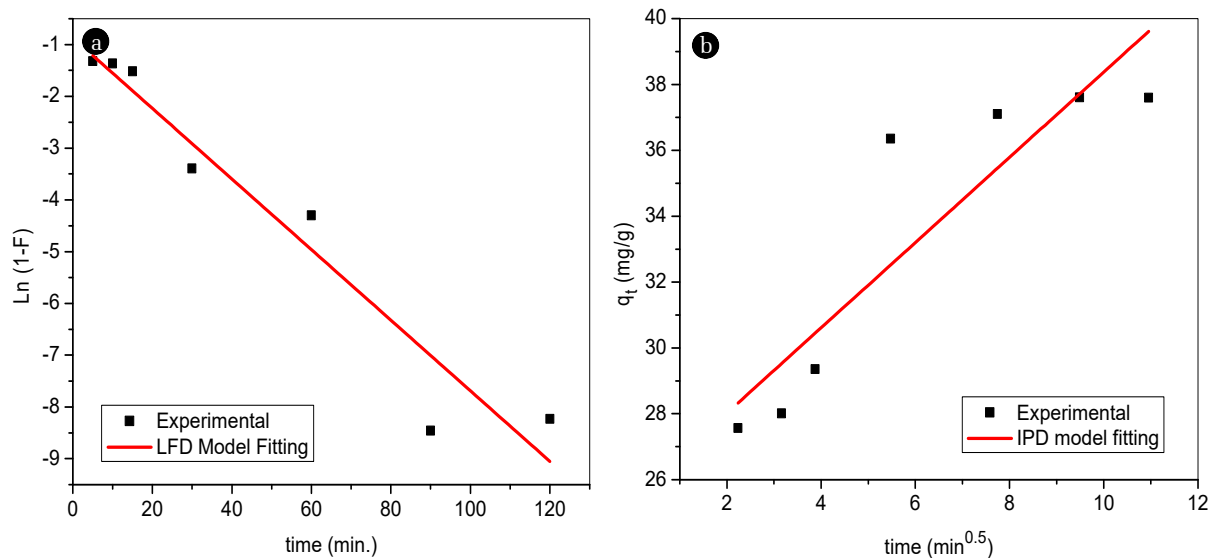


Fig. S5. Adsorption diffusion models of LEVO unto BSM composite: (a) Liquid film diffusion, and (b) Intra-particle diffusion.

Table S1. Diffusion Model Parameters and Correlation Coefficients of LEVO onto BSM

Model	Parameters	Intercept	R^2
Liquid film diffusion	k_{lfc}	0.86	0.9256
80 mg/L	0.0681		
Intra-particle diffusion	k_{ipd} (g/mg.min)	25.43	0.7772
80 mg/L	1.2940		

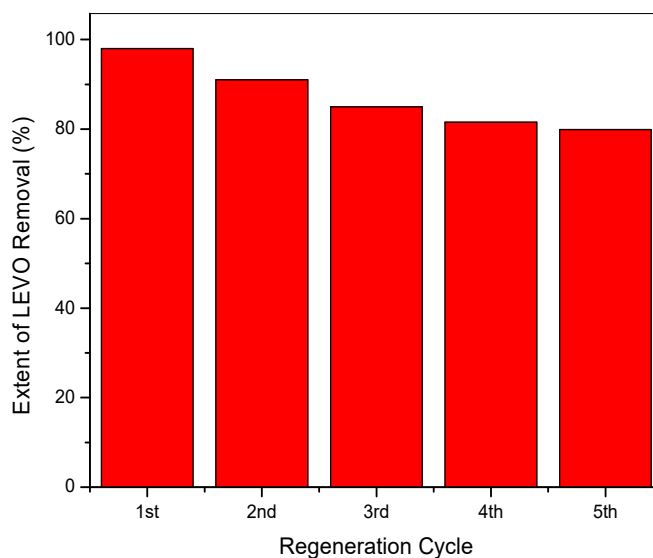


Fig. S6. Adsorption-elution cycle of BSM adsorbent.