

Supporting Information

pH-driven selective adsorption of multi-dyes solutions by loofah sponge and polyaniline-modified loofah sponge

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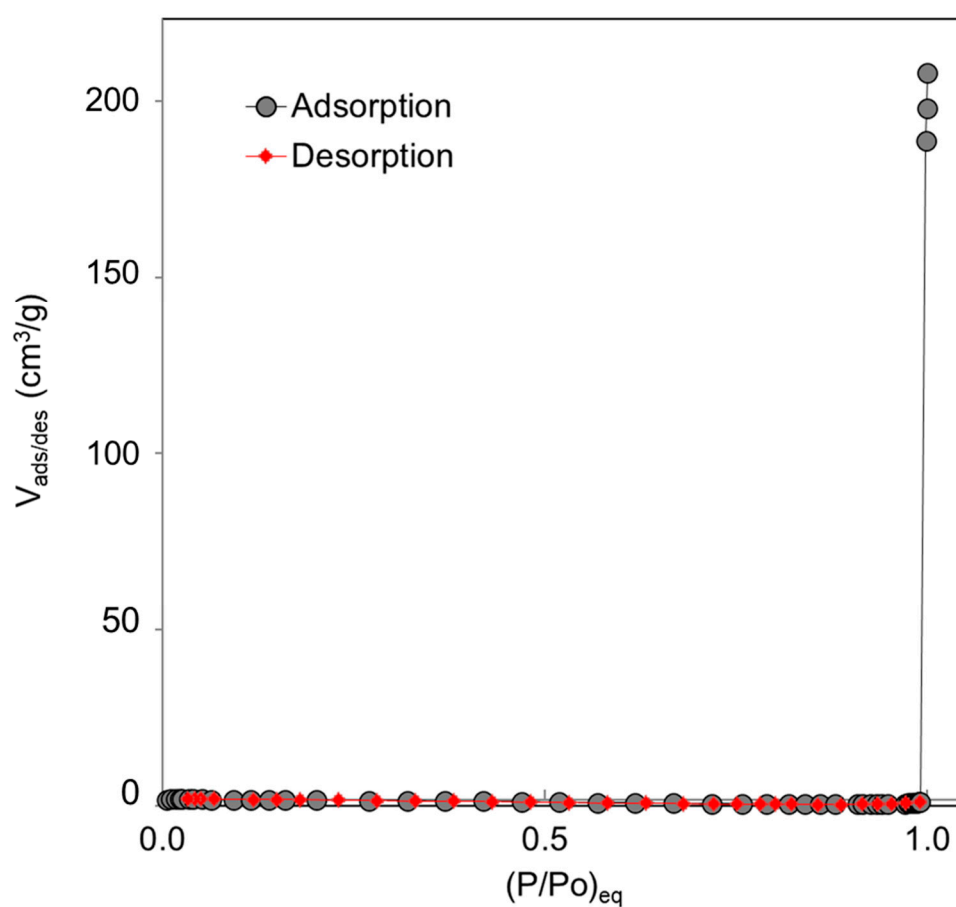
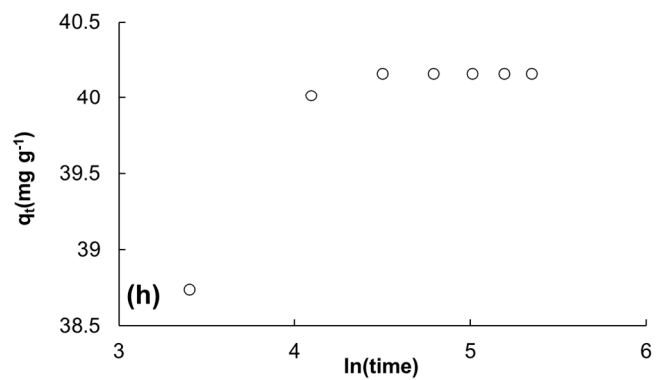
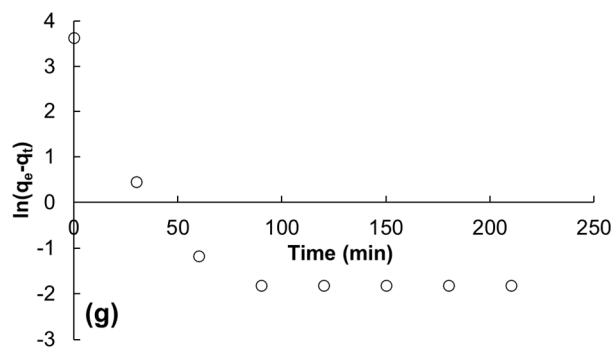
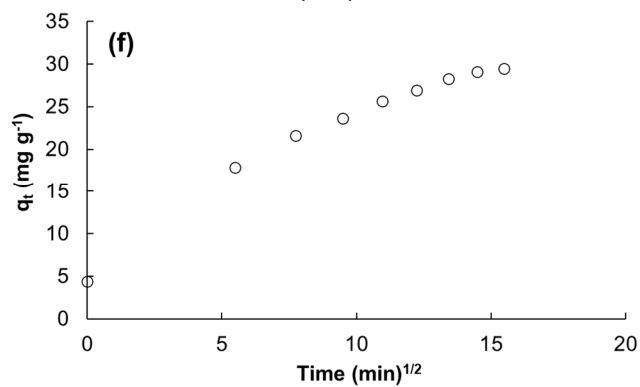
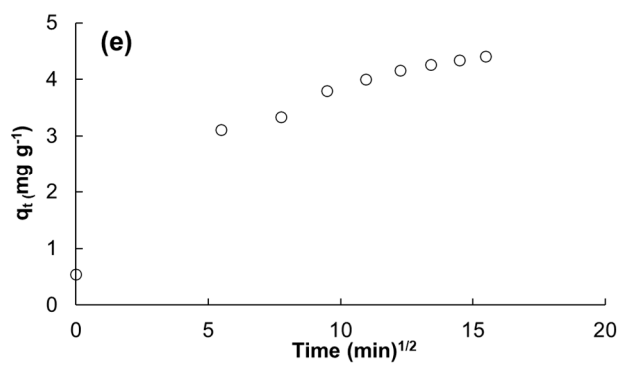
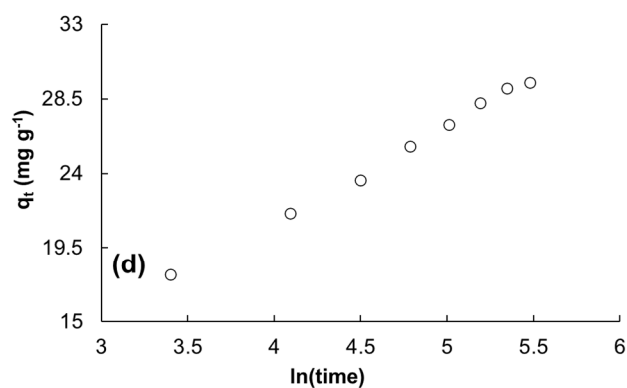
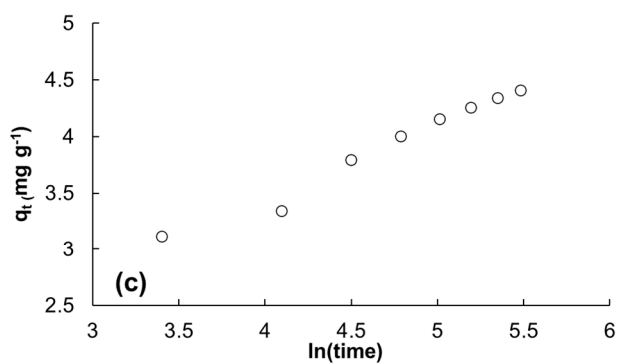
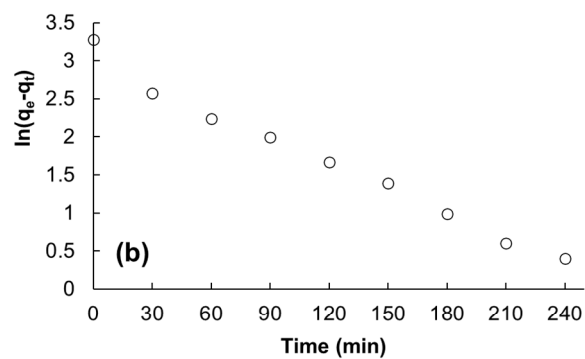
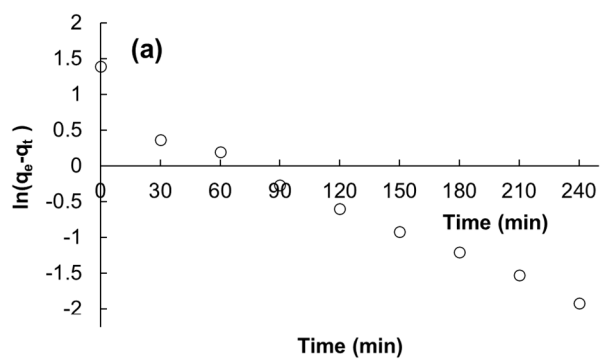


Figure S1. N₂ adsorption/desorption isotherms at -196°C of LS.



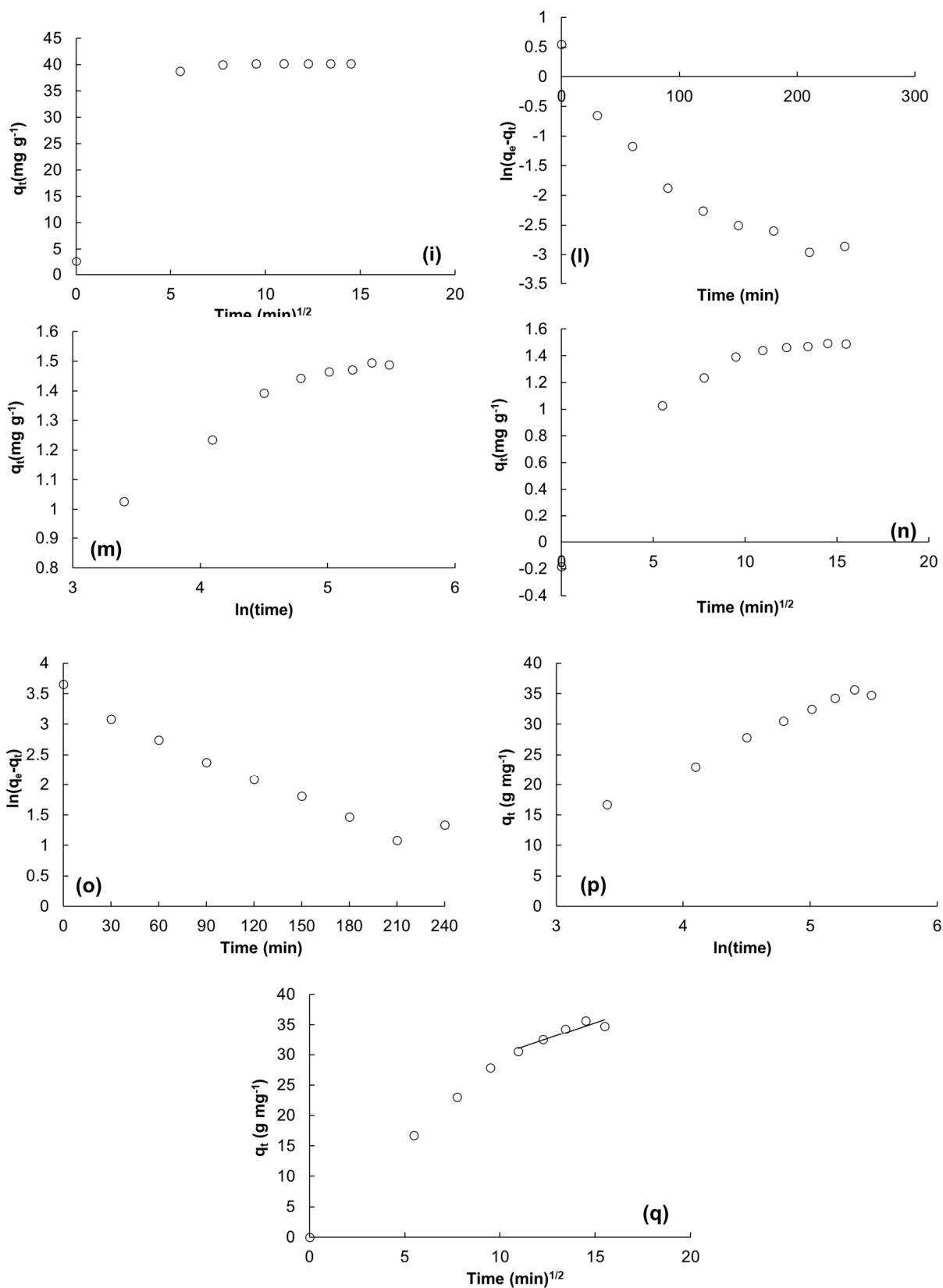


Figure S2: Kinetic models for adsorption of dyes by LS and P-LS. RHB [a) pseudo-first order c) Elovich, e) intraparticle diffusion (LS at pH 3); b) pseudo-first order, d) Elovich, f) intraparticle diffusion (P-LS at spontaneous pH)], MO [g) pseudo-first order, h) Elovich, i) intraparticle diffusion (P-LS at spontaneous pH)] and MB [l) pseudo-first order m) Elovich, n) intraparticle diffusion (LS at pH 3); o) pseudo-first order, p) Elovich, q) intraparticle diffusion (P-LS at spontaneous pH)].