

Supplementary Material

Equilibrium, Thermodynamic, Reuse, and Selectivity Studies for the Bioadsorption of Lanthanum onto Seri-cin/Alginate/Poly(vinyl alcohol) Particles

Talles Barcelos da Costa^a, Meuris Gurgel Carlos da Silva^a and Melissa Gurgel Adeodato Vieira^{a*}

^aSchool of Chemical Engineering, University of Campinas, Albert Einstein Avenue, 13083-852, Campinas, São Paulo, Brazil; tallesbarcelos@hotmail.com (T.B.d.C.); meuris@unicamp.br (M.G.C.d.S.)

* Correspondence: Correspondence: melissag@unicamp.br; Tel: +55 19 3521-0358

Summary. This document contains three figures on three pages.

Bioadsorption assays in batch system

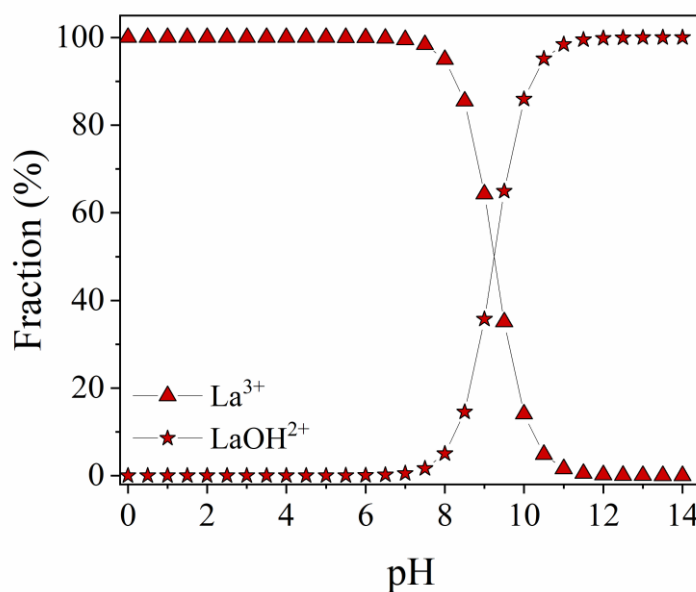


Figure S1. Lanthanum ions species in aqueous solution simulated using Visual MINTEQ® 3.0 software ($C_{0,La} = 11.0$ mmol/L).

Thermodynamics quantities

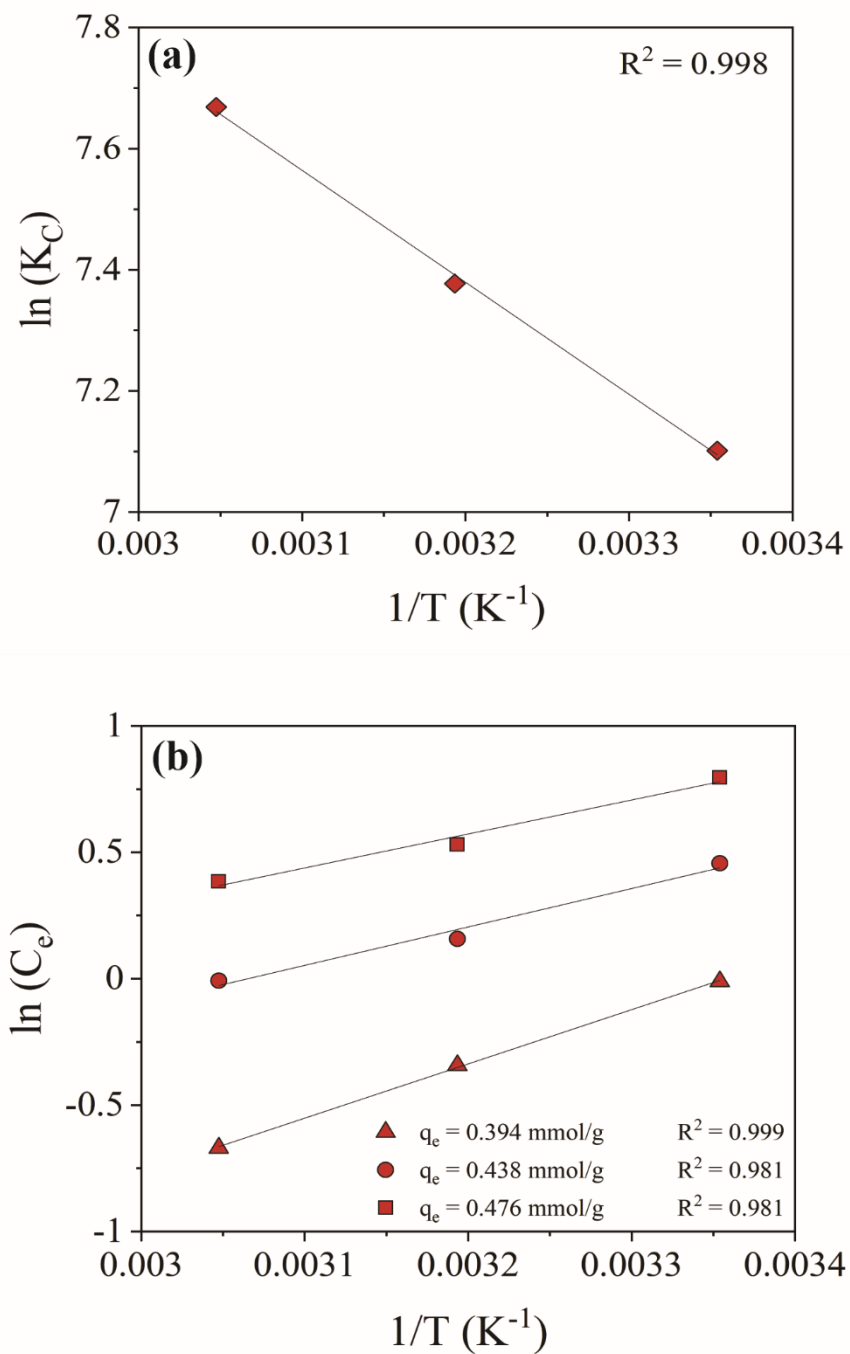


Figure S2. Plot of $\ln K_d$ versus $1/T$ (a) and Plot of $\ln C_e$ versus $1/T$ (b) obtained for bioadsorption of lanthanum by SAPVA particles.

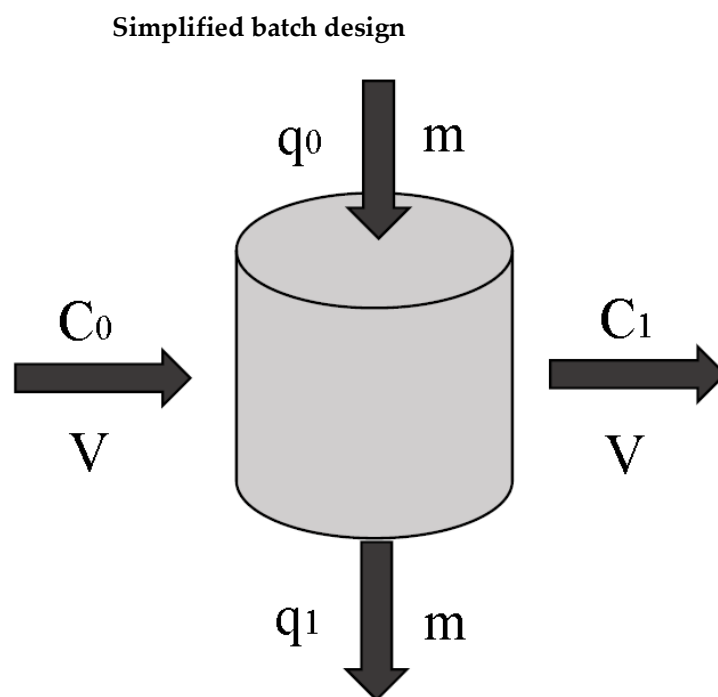


Figure S3. Scheme of a bioadsorption process in batch mode.