

Supporting Information

Environmental application of dicarboxylated hairy cellulose crosslinked with calcium for removal and confining of Pb(II)

Table S1. Box-Behnken Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Model	9	7283.00	809.22	14.60	0.000
Linear	3	5199.97	1733.32	31.26	0.000
pH	1	32.48	32.48	0.59	0.453
Time	1	5060.07	5060.07	91.27	0.000
mass	1	107.42	107.42	1.94	0.179
Square	3	1451.73	483.91	8.73	0.001
pH*pH	1	441.95	441.95	7.97	0.010
time*time	1	1094.80	1094.80	19.75	0.000
mass*mass	1	0.05	0.05	0.00	0.977
2-Way Interaction	3	631.30	210.43	3.80	0.026
pH*time	1	506.31	506.31	9.13	0.007
pH*mass	1	18.16	18.16	0.33	0.574
time*mass	1	106.83	106.83	1.93	0.180
Error	20	1108.85	55.44		
Lack-of-Fit	3	698.55	232.85	9.65	0.001
Pure Error	17	410.30	24.14		
Total	29	8391.86			

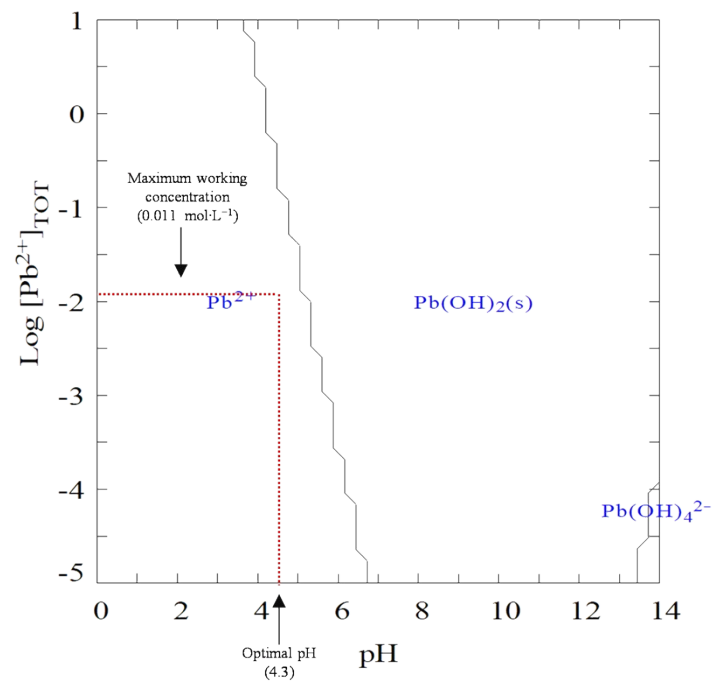


Fig. S1 Predominance diagram for lead^[1]

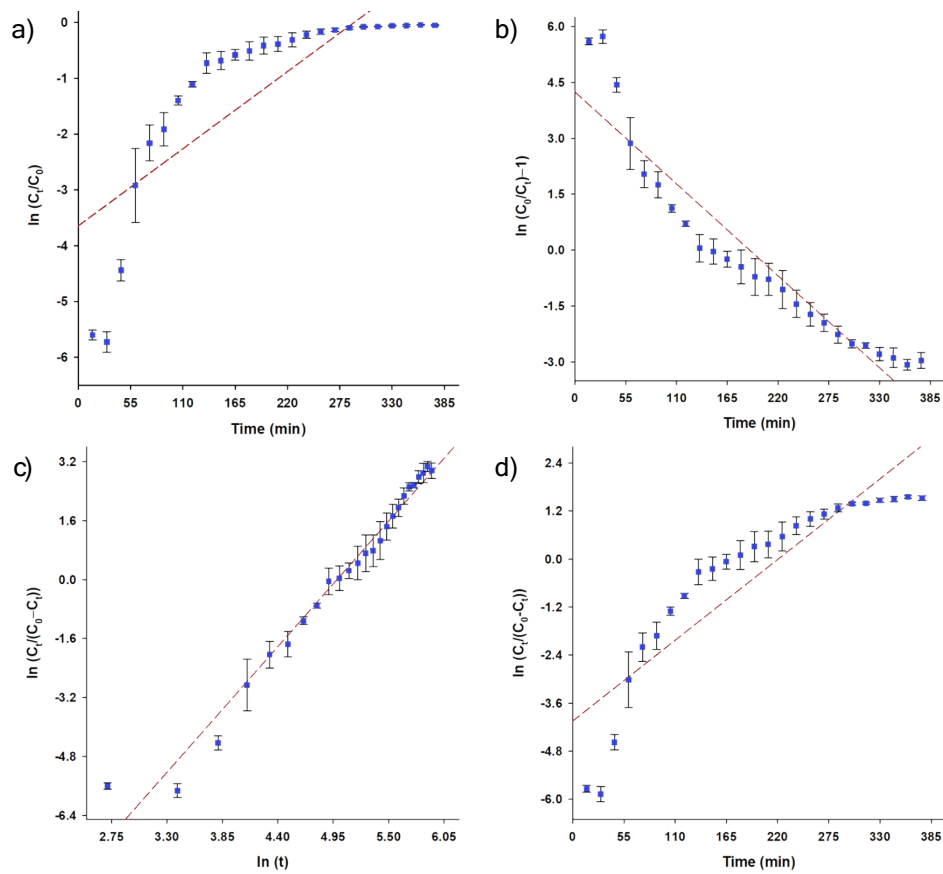


Fig. S2 Model fitting curves for Pb(II) sorption with DCCa for a) Adams-Bohart, b) Thomas, c) Yan y d) Yoon-Nelson.

References

- [1] I. Puigdomènech, Make equilibrium diagrams using sophisticated algorithms (MEDUSA), Software para Windows, Stockholm, 2010, versión 16 Dec 2010.