

Study on the Phosphate Compound Adsorption onto MgO-KOH/Biochar Adsorbent as Binding Agent in Diffusive Gradient in Thin Film (DGT) Technique for Bioavailable Phosphate Detection

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Received: 4th July 2024; Revised: 15th October 2024; Accepted: 16th October 2024
Available online: 18th October 2024; Published regularly: October 2024



SUPPORTING INFORMATION FOR DOI: 10.9767/bcrec.20178

Table S1. Experimental data on the adsorption kinetics of MgO-KBC and MgO-BC

	<i>Pseudo First Order</i>		<i>Pseudo Second Order</i>	
	MgO-KBC	MgO-BC	MgO-KBC	MgO-BC
Slope	-0.0014	-0.0021	0.1148	0.1025
Intercept	0.0249	0.5597	0.5808	1.7905
R	-0.8960	-0.9435	1.0000	0.9997
R ²	0.8028	0.8901	1.0000	0.9994
q_e model	1.0590	3.6286	8.7142	9.7554
k_1	0.0033	0.0048	0.0227	0.0059
q_e experiment	8.8450	9.9208	8.8450	9.9208

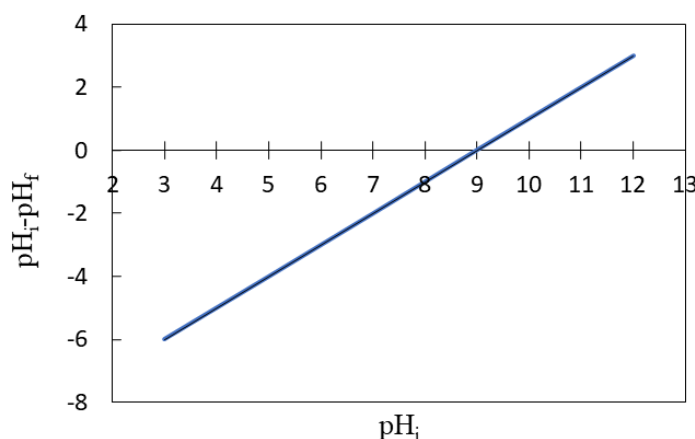


Figure S2. pH_{zpc} graph of materials