processes

MDPI

Supporting information

Remediation of agricultural runoff water using slag and Al/ Mg modified biochar

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Table S1 First order kinetic parameters for AMOB and slag

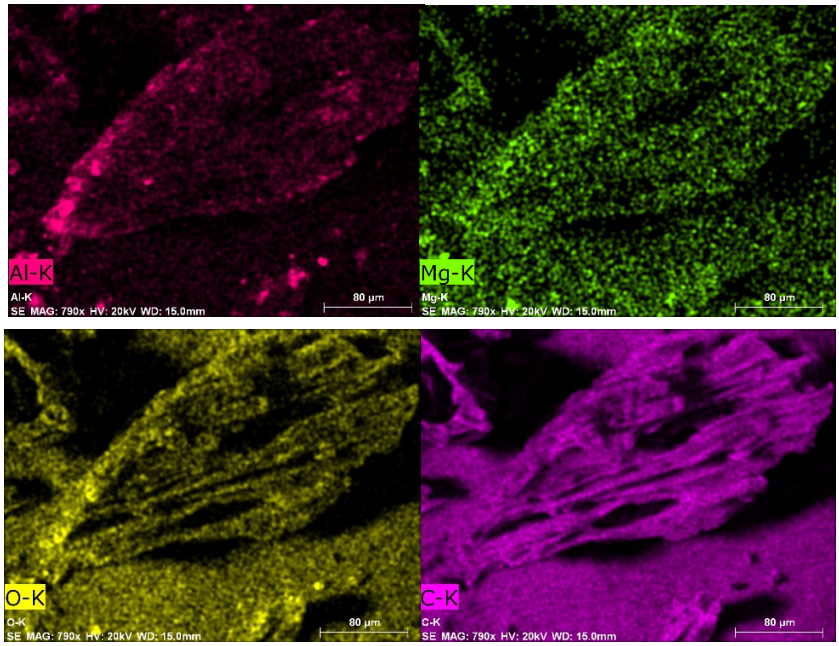


Figure S1. EDX Spectra of Al/ Mg biochar prior to phosphate adsorption.

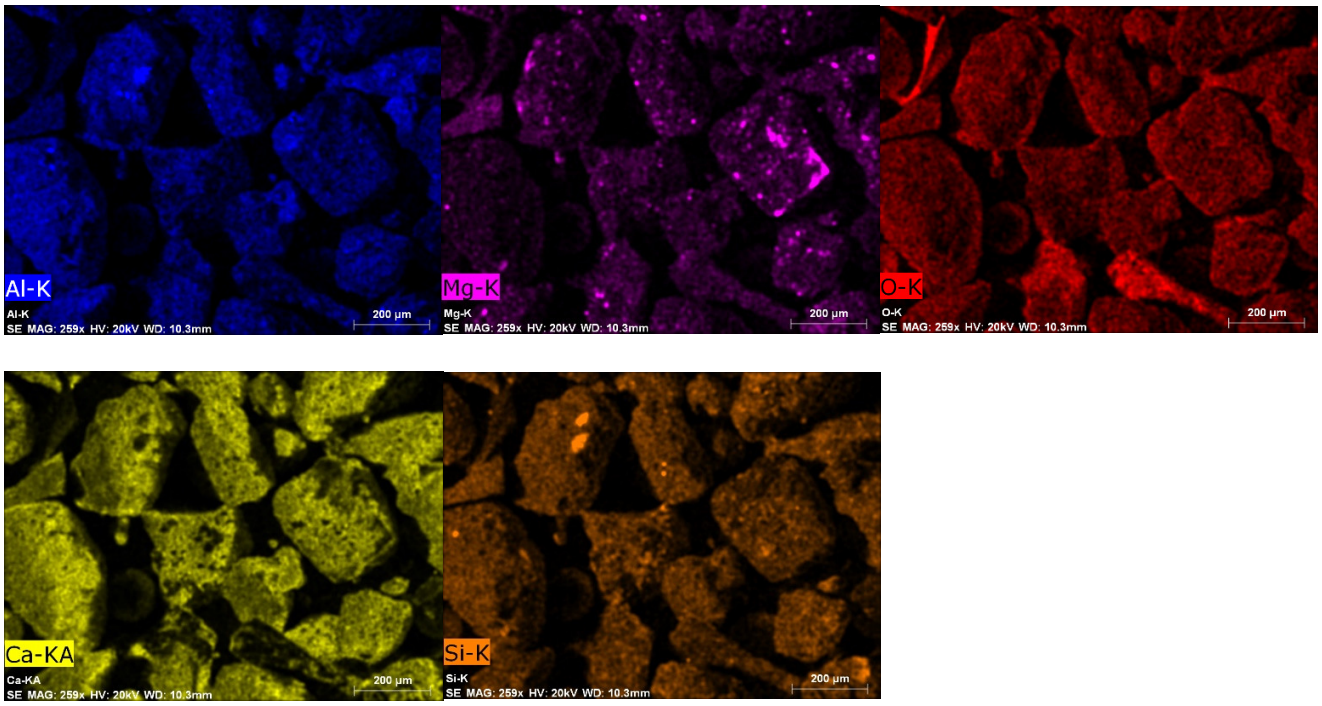


Figure S2. EDX Spectra of slag prior to phosphate adsorption.

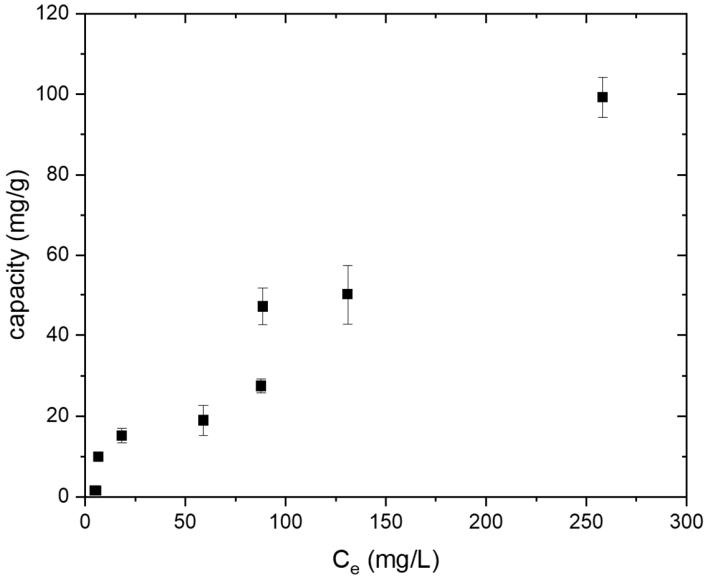


Figure S3. Q vs. Ce for slag over extended initial phosphate concentrations.

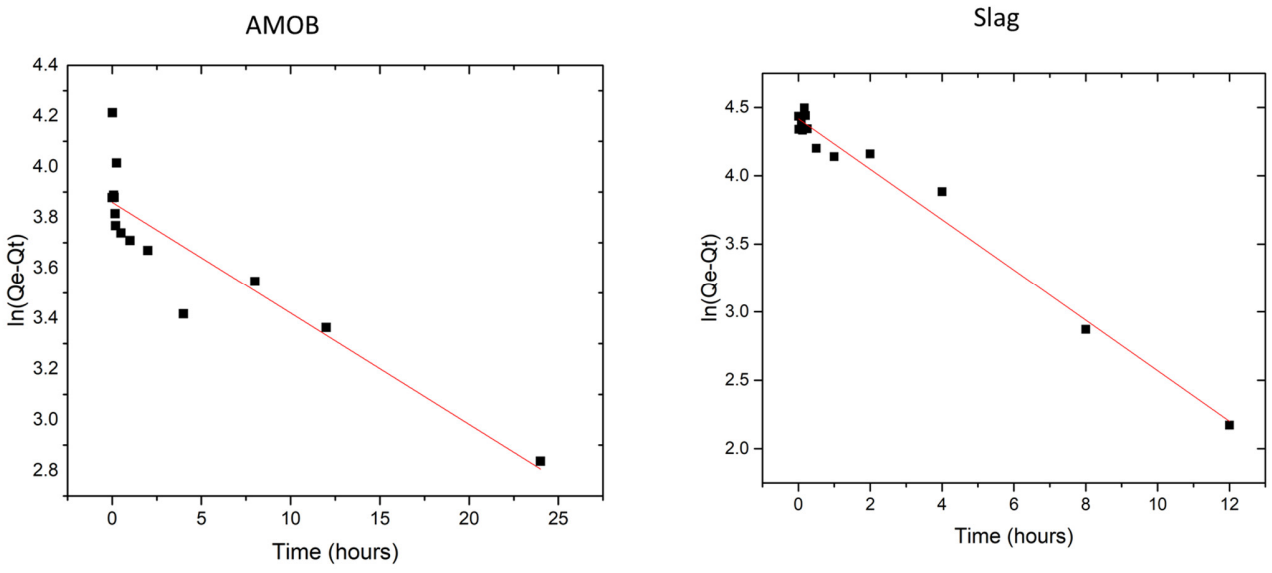


Figure S4. Linearized log(q_e-q_t) vs t, 1st order kinetic plots for AMOB and slag.

Table S1. First order kinetic parameters for AMOB and slag.

Adsorbent	**R^2**	**K_1 (h^{-1})**	**Qe(cal) (mg/g)**
AMOB	0.80	0.044	47.44
Slag	0.98	0.185	82.93