

Removal of Arsenic from Wastewater using Hydrochar Prepared from Red Macroalgae: Investigating the Adsorption Efficiency and Mechanism

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Contents

Fig. S1. Systematic diagram to prepare hydrochar and activate hydrochar with $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$

Fig. S2. Elemental spectra of the hydrochar sample before activation (**a**) and after activation (**b**).

Note: S (sulfur), C (carbon), N (nitrogen), O (oxygen), Fe (iron), Na (sodium), Mg (magnesium),

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Table. S1. Element compound weight and atomic weight percentage of hydrochar and activated hydrochar sample

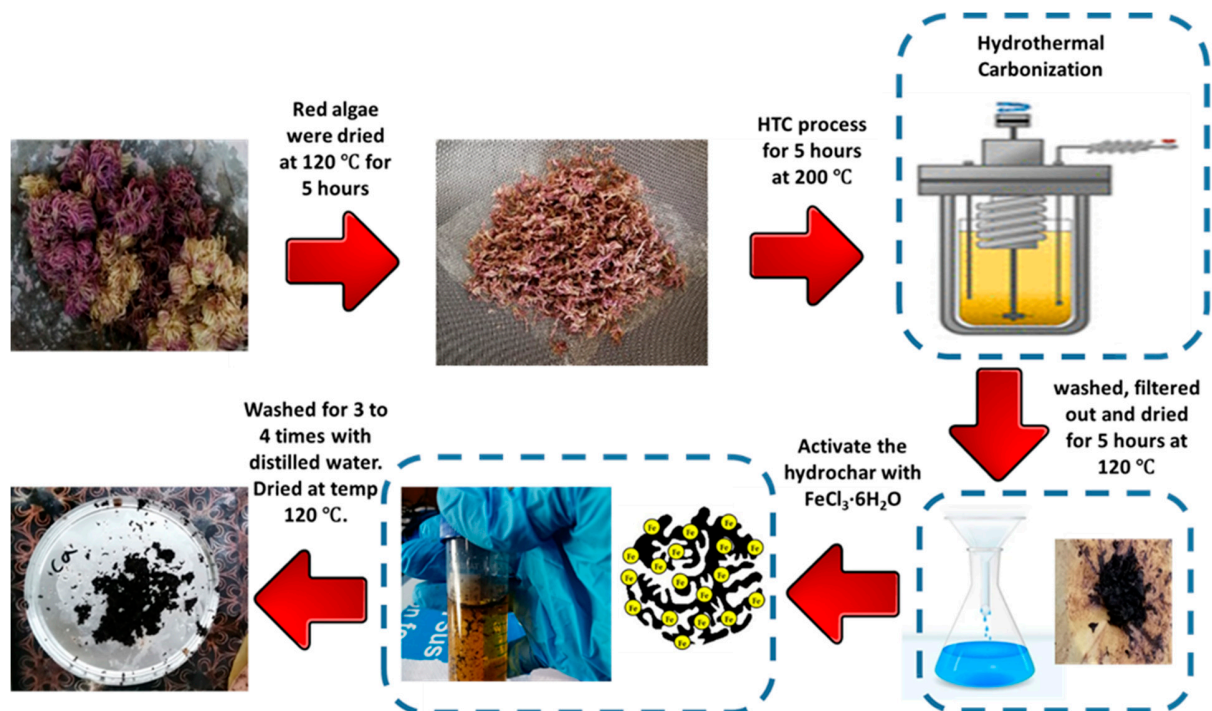


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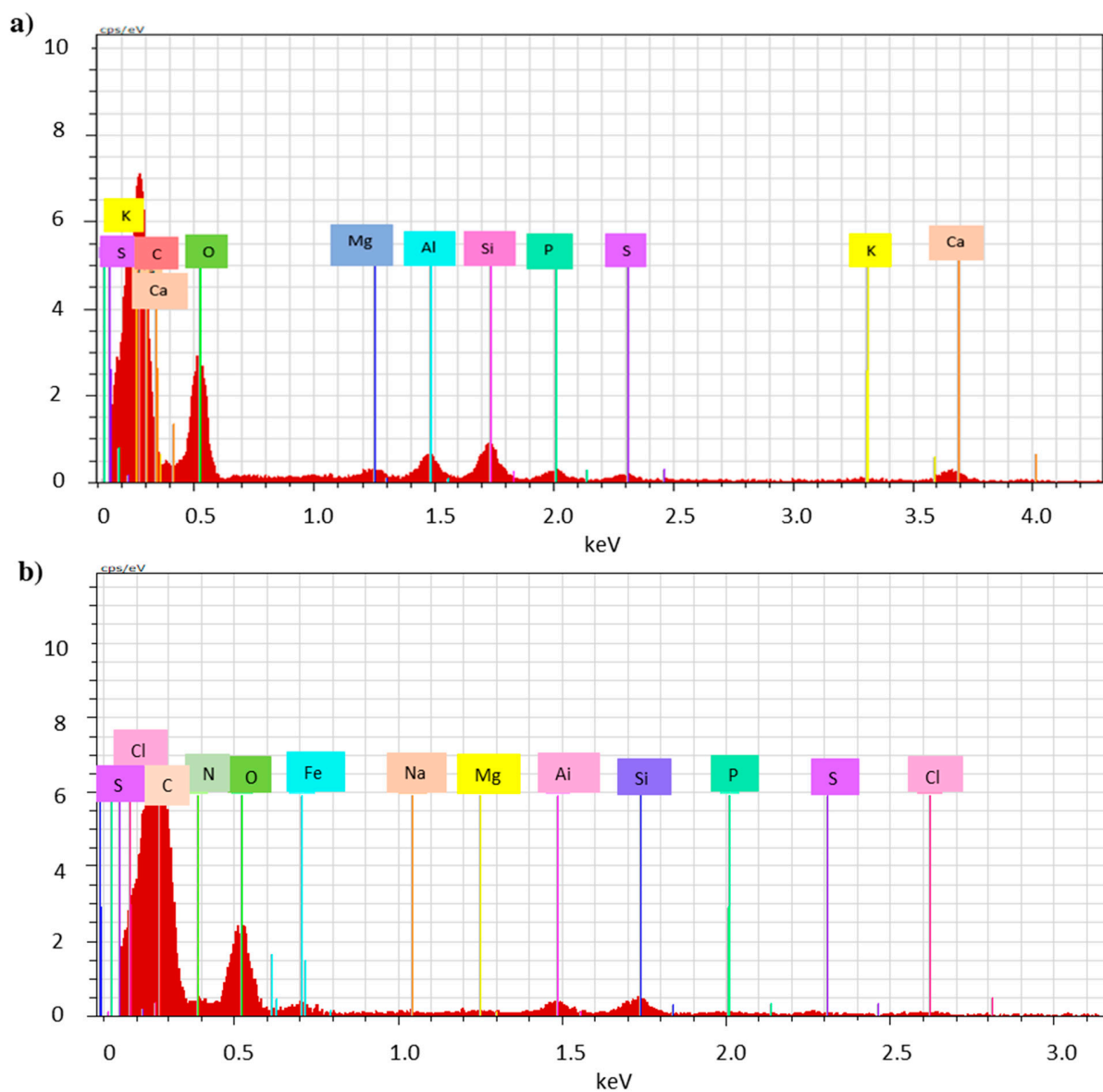


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Elements	Before hydrochar activation		After hydrochar activation	
	Compounds weight, %	Atomic weight, %	Compounds weight, %	Atomic weight, %
C	34.40	39.67	46.85	44.93
O	50.57	52.36	23.50	30.66
Mg	1.22	0.82	1.38	0.25
Al	2.60	1.58	4.50	0.75
Si	4.38	2.56	2.28	1.19
N	Nil	Nil	19.29	20.17
Cl	Nil	Nil	0.61	0.25
S	0.07	0.07	0.36	0.17
P	1.12	1.12	0.26	0.17
Fe	Nil	Nil	4.50	1.18
Na	Nil	Nil	0.42	0.27
K	1.03	0.42	Nil	Nil
Ca	3.95	1.62	Nil	Nil