Supplementary material for

Synergistic Removal of Hazardous Dyes using a Clay/Carbon Composite Derived from Spent Bleaching Earth: Optimization Using Response Surface Methodology

Supplementary material (Tables)

Table S1. BET analysis results for SBE and SBE/C (500 °C)

Sample	Specific surface area (m^2/g)	Mesopore Volume (cm^3/g)	Average Pore diameter (nm)
SBE	0.17	5.82×10^{-4}	13.83
SBE/C (500 °C)	68.28	3.40×10^{-1}	19.93

Table S2. Comparison of maximum MB and MG dye removal capacities using different low-cost adsorbents.

Adsorbent	**Dye (Initial Concentration)**	**Q_m (mg/g)**	**References**
Rosa canina seeds	MB (20-100 mg/L)	47.2	[1]
Fig leaf	MB (20-200 mg/L)	69.93	[2]
Bagasse fly ash	MB (100 mg/L)	15.50	[3]
Bagasse fly ash	MG (100 mg/L)	18.75	[3]
White clover	MG (10 -100 mg/L)	8.29	[4]
SBE/C (500 °C)	MB (20 mg/L)	27.77	*This study*
SBE/C (500 °C)	MG (20 mg/L)	27.38	*This study*

References

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