

Supporting Information

Hybrid aerogel nanocomposite of dendritic colloidal silica and hairy nanocellulose: an effective dye adsorbent

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Table S1. Adsorption comparison of sorbent activity of various materials.

Adsorbent	Surface area (BET) (m ² g ⁻¹)	Adsorbate	Dye uptake (mg.g ⁻¹) or (%)	Ref.
pumpkin seed hulls	2.135	Reactive Black 5	9.18	¹
eggshells	1.668	Reactive Black 5	18.46	¹
ZnO–NR–AC	-	MB	89.29	²
CuO-NP-AC	-	Acid blue 129	65.36	³
ZnO/CuO (95:5)	15.4	MB and MO	97.2 and 87.7%	⁴
ZnO	8.6	MB and MO	97 and 80%	⁵
rice husk ash	36.44	Zn(II)	26.10	⁶
CMK-3	940	MO	294.1	⁷
ZnO/Ag/CdO	21.5	MB and MO	98.3 and 97.8%	⁸
Fe ₃ O ₄ NPs	-	MB	89.2	⁹
RTACMC	1080	p-cresol	250	¹⁰
MWCNTs	40	CR	352.11	¹¹
NRGO	200	ANT and 2-MAQ	5.77 and 9.29	¹²
MWCNTs/Fe ₂ O ₃	114	MB	42.9	¹³
Ag NPs–AC	-	MB	71.43	¹⁴
NiS–NP–AC	1018	MB	46.52	¹⁵
CuO–NP–AC	82.7	MB	10.55	¹⁶
DFNS-BHNC aerogel	350	MB and MO	270 and 300	This work

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