

Table 3. S/N ratios for % removal of Rh-B dye by prepared adsorbent (FECSP derived PU-SiNC composites) and ANOVA parameters

S/N ratios for % removal of Rh-B dye							
	Levels	Loading of silylated nanocellulose			pH	Temperature	
S/N ratios	Level 1	36.41			36.72	37.80	
	Level 2	37.04			37.51	37.26	
	Level 3	39.00			38.21	37.39	
	Delta	2.59			1.49	0.55	
	Rank	1			2	3	
ANOVA parameters considering % removal of Rh-B dye as performance property							
Source	DF	Seq SS	Adj SS	Seq MS	F	P	% contribution
Silylated nanocellulose content	2	880.44	880.44	440.22	106.39	0.009	74.9
pH	2	251.05	251.05	125.52	30.34	0.032	21.3
Temperature	2	36.41	36.41	18.20	4.40	0.185	3.1
Error	2	8.28	8.28	4.14			0.7
Total	8	1176.17					
S = 2.03415	R ² =	R ² (adj) =					
	99.30%	97.19%					