

Table S1: Actual and Predicted coded values of the experimented Box-Behnken Design for particle size and yield.

pH	Temperature	Reaction time	Concentration	Particle size (nm)		Yield (%)	
				Actual	Predicted	Actual	Predicted
1.000	-1.000	0.000	0.000	20.36	20.71	42.33	44.25
-1.000	0.000	0.000	1.000	116.49	118.50	70.33	72.91
0.000	-1.000	0.000	1.000	110.41	109.60	52.41	51.42
1.000	0.000	1.000	0.000	65.33	66.33	73.11	72.95
-1.000	0.000	-1.000	0.000	100.11	98.12	80.14	81.66
0.000	1.000	1.000	0.000	80.14	80.63	87.11	85.03
0.000	-1.000	0.000	-1.000	44.21	45.48	73.25	68.71
-1.000	0.000	0.000	-1.000	80.11	81.80	80.11	80.47
0.000	0.000	-1.000	1.000	75.27	76.00	83.42	79.37
0.000	0.000	0.000	0.000	77.09	78.53	89.16	88.46
0.000	-1.000	-1.000	0.000	64.98	65.40	61.21	65.15
0.000	0.000	1.000	-1.000	89.41	88.76	90.14	90.97
-1.000	0.000	1.000	0.000	102.91	101.84	70.89	74.58
0.000	0.000	-1.000	-1.000	68.23	67.21	70.13	71.85
0.000	1.000	-1.000	0.000	75.23	77.01	70.15	69.35
0.000	0.000	0.000	0.000	79.11	78.53	88.28	88.46
1.000	0.000	0.000	1.000	38.03	37.26	58.65	60.15
0.000	0.000	0.000	0.000	79.12	78.53	88.28	88.46
-1.000	1.000	0.000	0.000	67.99	67.72	77.99	72.85
1.000	0.000	0.000	-1.000	73.02	71.92	68.14	67.42
0.000	1.000	0.000	-1.000	110.21	110.03	72.17	74.52
0.000	1.000	0.000	1.000	50.22	47.96	71.09	76.99
1.000	0.000	-1.000	0.000	42.41	42.49	59.80	57.48
0.000	0.000	0.000	0.000	79.21	78.53	88.28	88.46
0.000	0.000	1.000	1.000	80.91	82.01	73.57	68.63
0.000	0.000	0.000	0.000	78.11	78.53	88.28	88.46
1.000	1.000	0.000	0.000	87.22	87.66	66.81	66.59
-1.000	-1.000	0.000	0.000	132.14	131.78	66.81	63.81
0.000	-1.000	1.000	0.000	90.21	89.34	55.19	57.85