Supporting Information:

Sample	Coconut shell	ZP-[2]	HT	ZHT-[2]	HTZP-[2]	ZHTP-[2]
%N	1.08	1.72	1.44	0.925	2.4	2.83
%C	46.39	86.55	68.13	57.22	86	81.94
%H	5.65	1.52	4.86	4.28	1.6	1.57
%S	0.64	0.52	0.4	0.29	0.5	0.43
%O	46.24	9.69	25.17	37.3	9.5	13.23
H/C (molar)		0.211	0.856	0.898	0.223	0.230
O/C (molar)		0.08	0.27	0.49	0.083	0.12
%O Yield		4.9	29.4	32.7	4.3	6.3

Table S1: Elemental analysis of hydrothermally pretreated shell and carbons

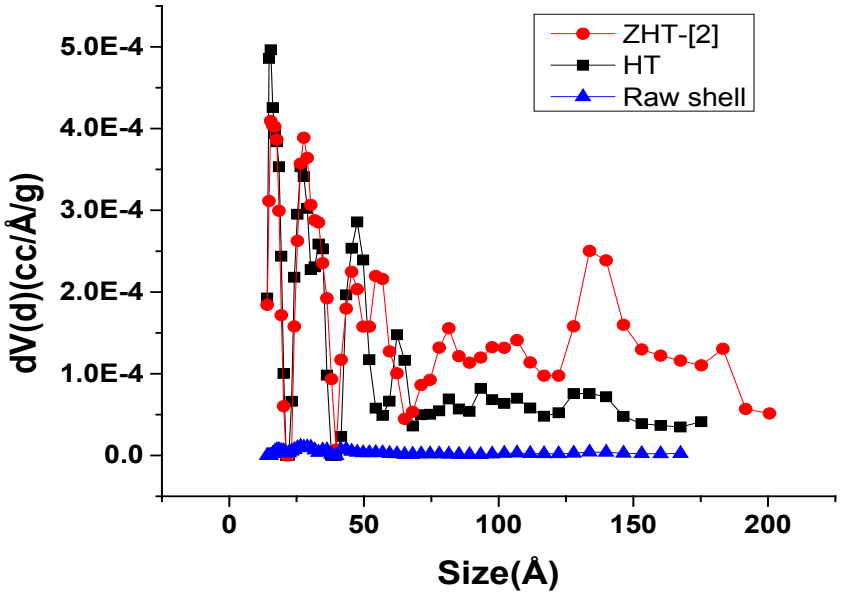

Figure S1: Pore size distribution of hydrothermally treated shell, HT and ZHT-[2].

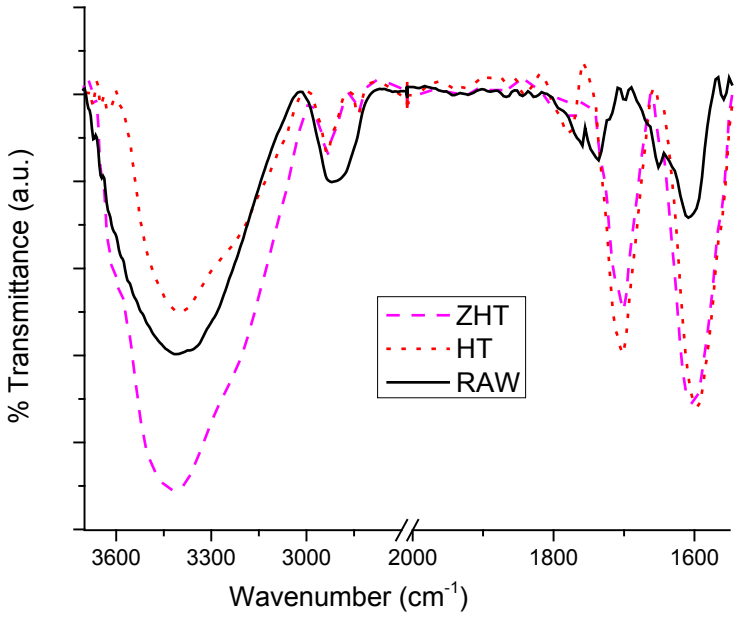

Figure S2: FT-IR spectra for Raw shell, HT and ZHT-[2]

Activated carbons	Q_0 (mg/g)	b (L/mg)	R^2
Commercial_microporous	98.7	0.138	0.994
Commercial_mesoporous	256.4	.069	0.987
HTP	99.3	0.126	0.989
ZP-[2]	434.7	0.267	0.998
ZHTP-[2]	526.3	0.463	0.998

Table S2: Langmuir parameters (Methylene blue)

Activated carbons	Q_0 (mg/g)	b(L/mg)	R^2
Commercial_microporous	134.6	0.009	0.995
Commercial_mesoporous	450.3	0.047	0.983
HTP	142.3	0.018	0.966
ZP-[2]	463.2	0.124	0.998
ZHTP-[2]	630.3	0.501	0.999

Table S3: Langmuir parameters (Erythrosine red)