Electronics Supporting Information

ESI-I. TGA Thermogram of the Boganvel (*Bougainvillea*) flower.

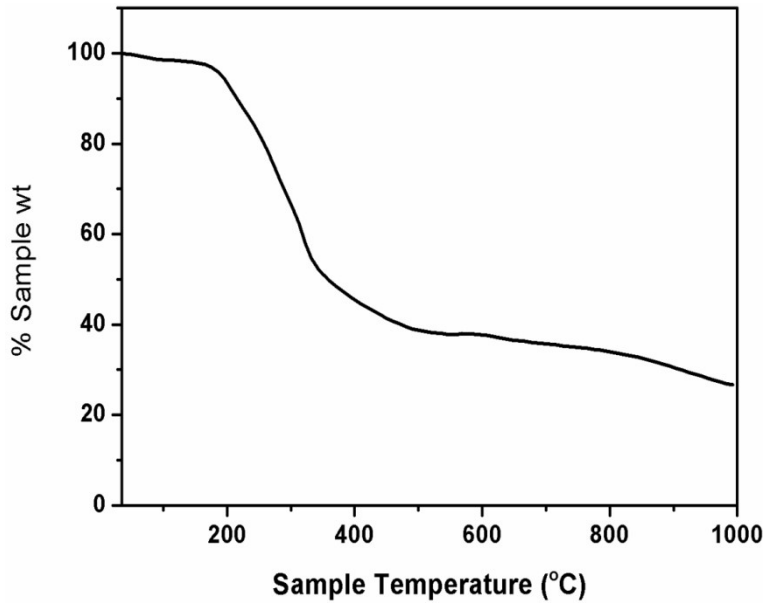

Figure S1. TGA Thermogram of the Boganvel (*Bougainvillea*) flower.

ESI-II: HR-FETEM images of RC-B sample

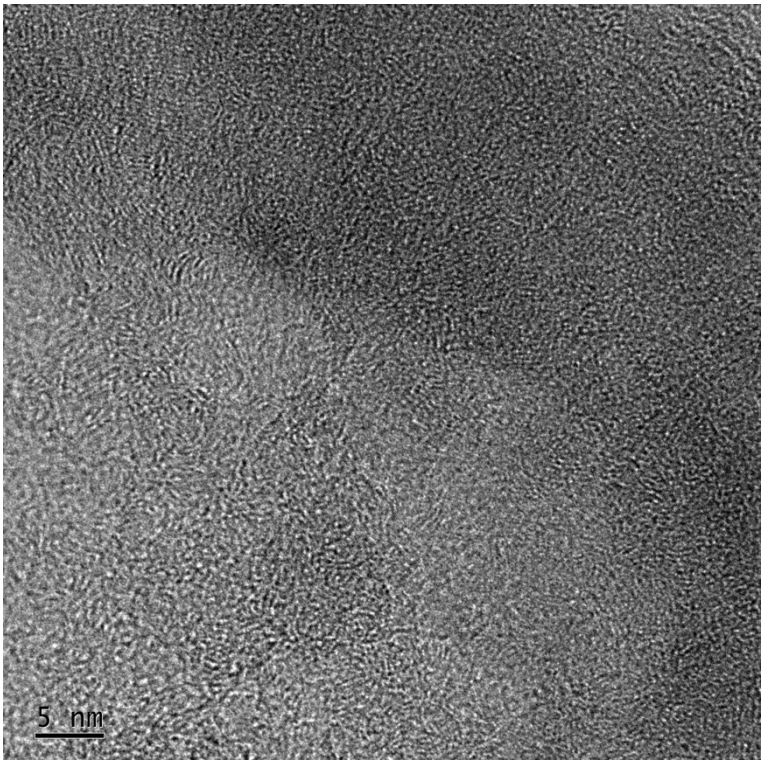

Figure S2 HR-FETEM images of RC-B sample

ESI-III. Schematic diagram of conductivity measurements under pressure (70.1 kg/cm^2).

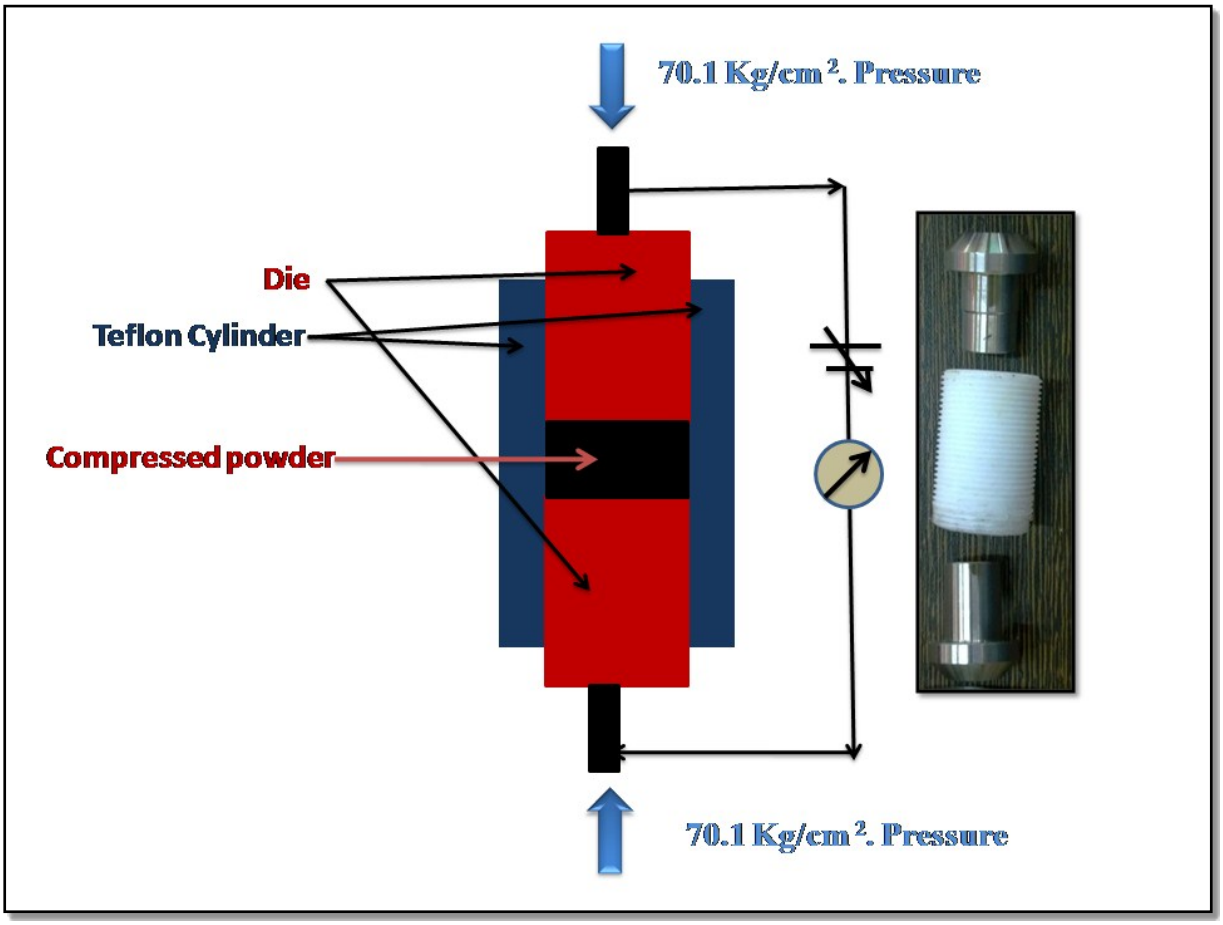

Figure S3. Schematic diagram of conductivity measurements under pressure (70.1 kg/cm^2).

ESI-IV. Table S1 Comparison of the properties of carbon materials synthesized from waste and their use in supercapacitors

Natural waste Material	Maximum capacitance (F g^{-1})	Electrolyte	Energy density (WhKg^{-1})	Ref. No.
Acacia Gum	272 at 1.0 A g^{-1}	6 M KOH	7.76 at 500 WKg^{-1}	5
Paulownia Flower	297 at 1.0 A g^{-1}	1 M H_2SO_4	44.5 at 247 WKg^{-1}	7
Pistachio nutshell	261 at 0.2 A g-1	6 M KOH	10 at 52000 WKg^{-1}	12
Human Hair	340 at 1.0 A g^{-1}	6 M KOH	45.33 at 0.1A g^{-1}	23
Bamboo based by product	301 at 0.1 A g^{-1}	6 M KOH	9.50 at 25 WKg^{-1}	34
Honey	271 at 1.0 A g^{-1}	6 M KOH	--	35
Corn Husk	350 at 1.0 A g^{-1}	1 M Na_2SO_4	21 at 5600 WKg^{-1}	38
high-ash-content sewage sludge	379 at 0.5 A g^{-1}	6 M KOH	30.5 at 181.2 WKg^{-1}	39
natural product of alkali lignin	64 at 0.4 A g^{-1}	6 M KOH	5.67 at 181.2 WKg^{-1}	40
Rice Husk	250 at 1.0 A g^{-1}	6 M KOH	22.2 at 400 WKg^{-1}	41

ESI-V Photograph of the supercapacitor device