

Supplementary Information – Green Chemistry

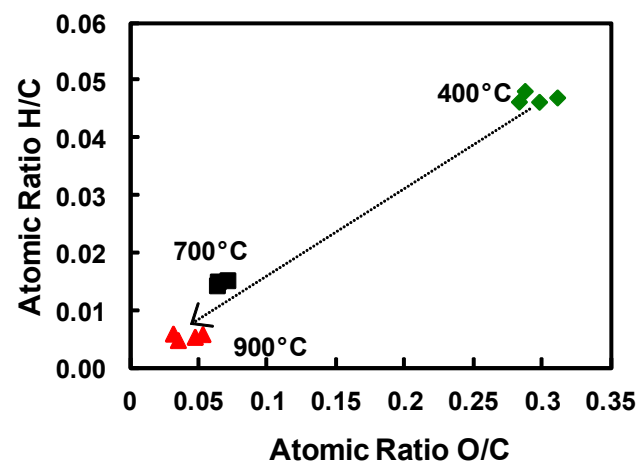


Fig. S1 van Krevelen diagram for all materials prepared after agitation and posterior pyrolysis at 400, 700 and 900°C.

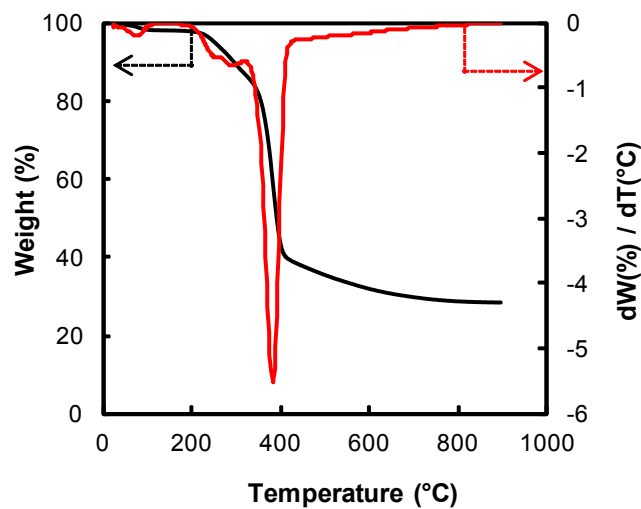


Fig. S2 TGA analysis in inert atmosphere of Ar made with a ramp of 5 K min^{-1} till up to $900^{\circ}C$ for the sample PTW prepared at unmodified pH (4.2).

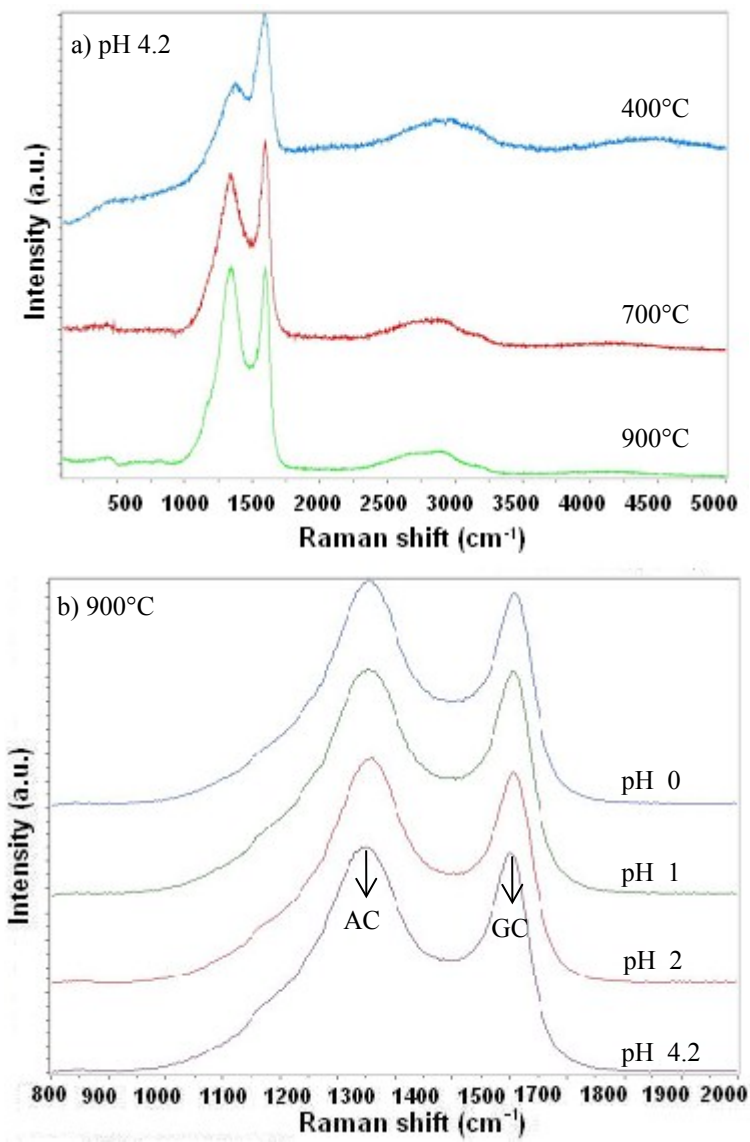


Fig. S3. Raman spectra of PTW samples prepared: a) at pH 4.2 after pyrolysis at different temperatures (400, 700 and 900°C) and b) at all pHs: 0, 1, 2 and 4.2 after posterior fixed carbonization temperature of 900°C.