Electronic Supplementary Material (ESI) for Green Chemistry.
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Supporting information

Biosourced analogs of elastomer modified bitumen through hydrothermal liquefaction of *Spirulina Sp.* microalgae residues

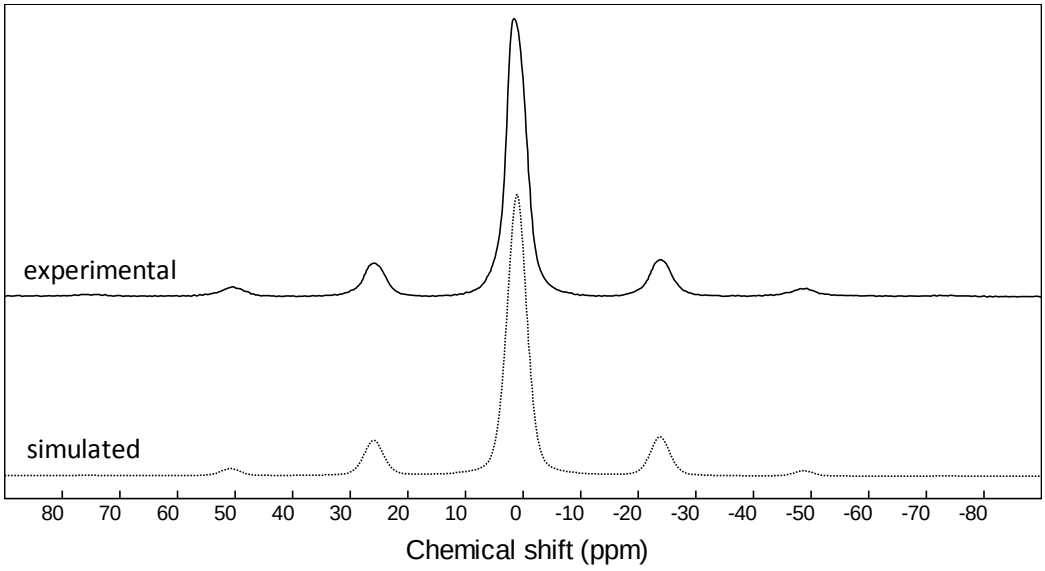

Figure S1: Experimental and simulated ^{31}P MAS spectra of the *Spirulina sp.* HTL fraction (240 °C, LF = 0.60) insoluble in both water and dichloromethane (δ_{iso}=1.1 ppm, CSA=30 ppm)

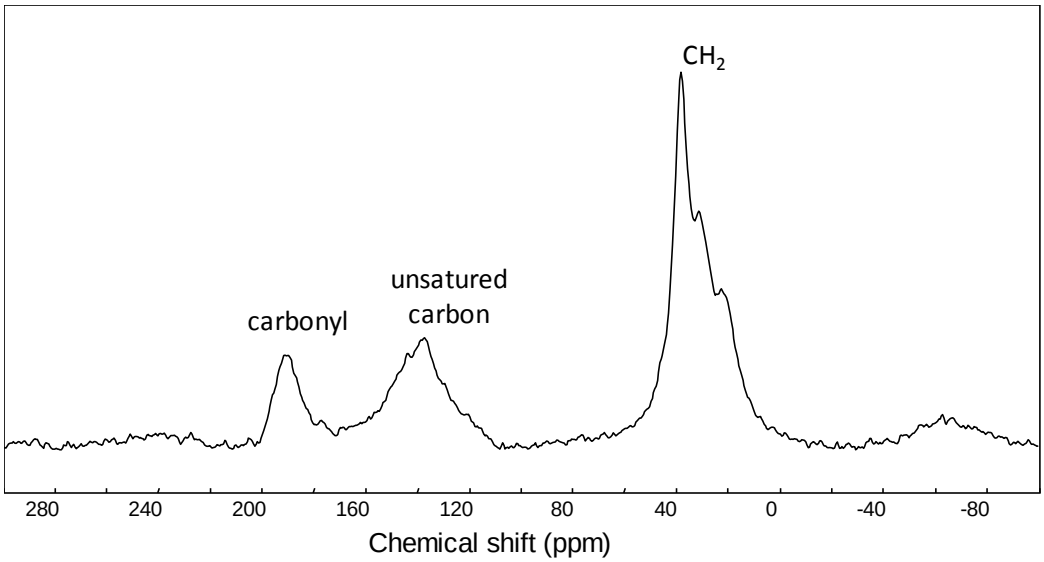

Figure S2: {^{1}H}-^{13}C CP-MAS spectrum of the *Spirulina sp.* HTL fraction (240 °C, LF = 0.60) insoluble in both water and dichloromethane, after HCl treatment.

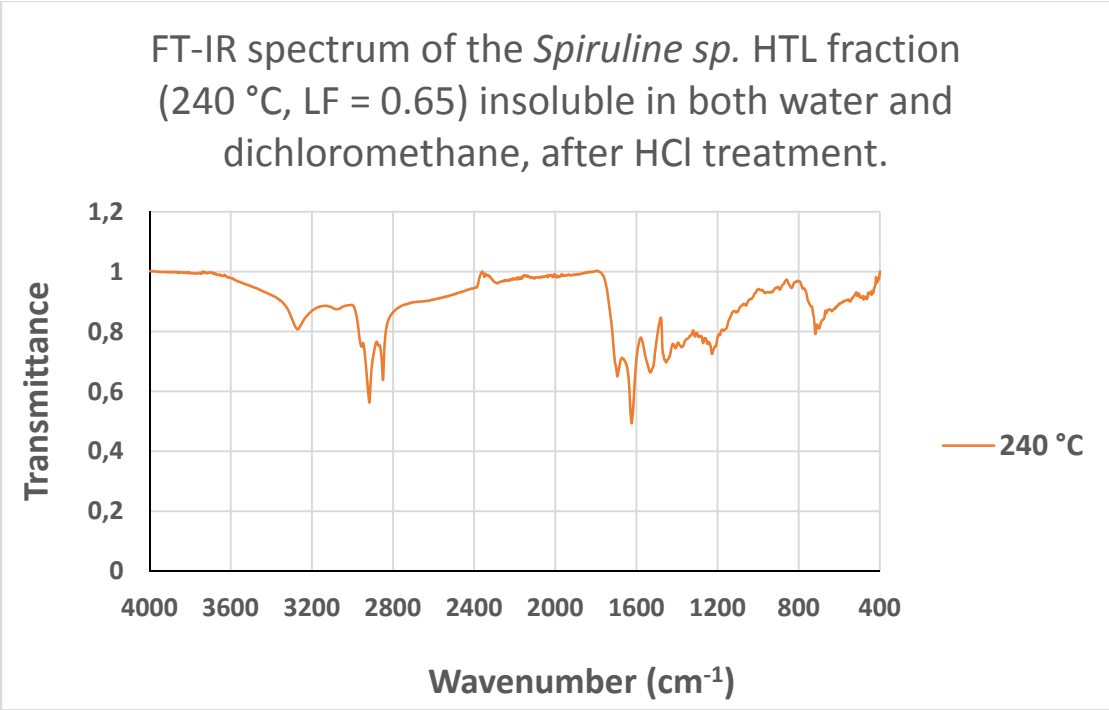

Figure S3: FT-IR spectrum of the *Spirulina sp.* HTL fraction (240 °C, LF = 0.60) insoluble in both water and dichloromethane, after HCl treatment.

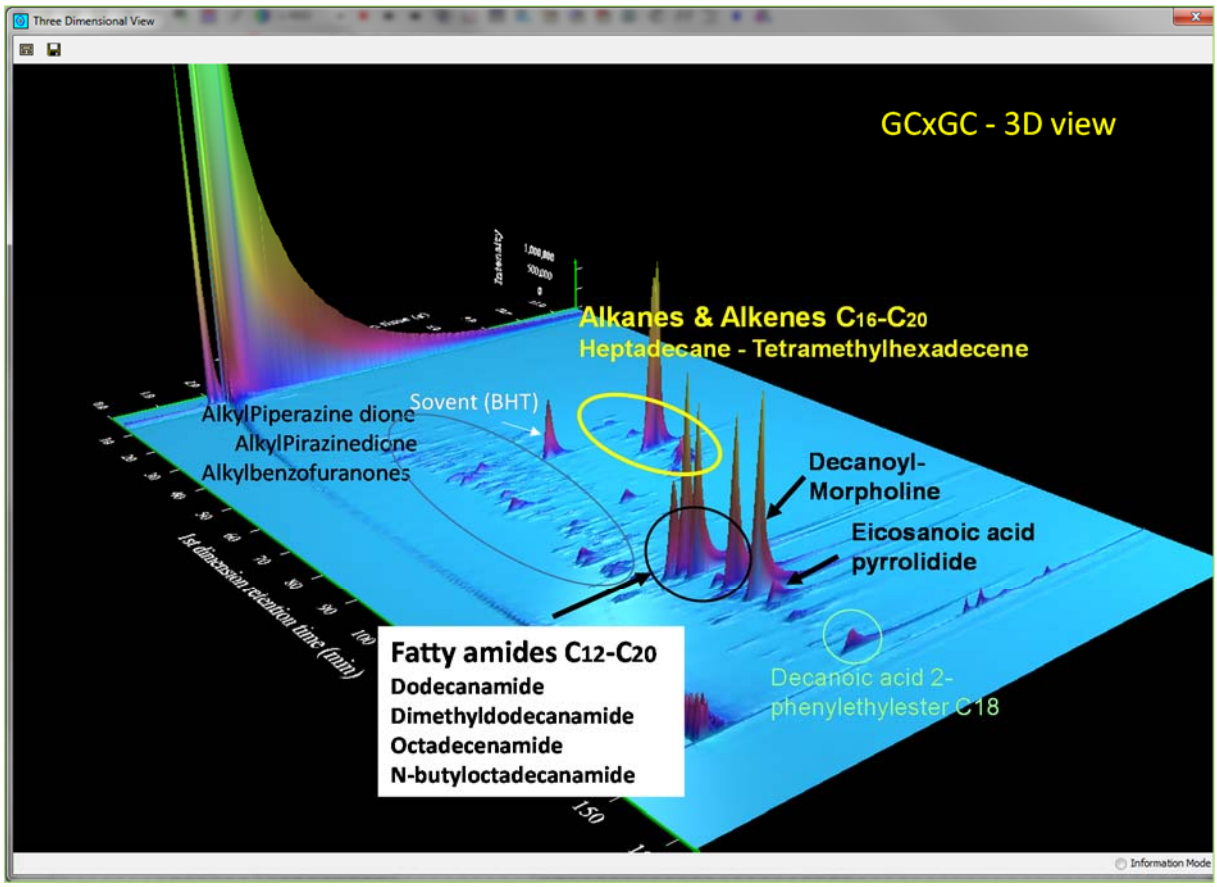

Figure S4: 2D-GC chromatogram of the *Spirulina sp.* HTL fraction (240 °C, LF = 0.60) soluble in THF.