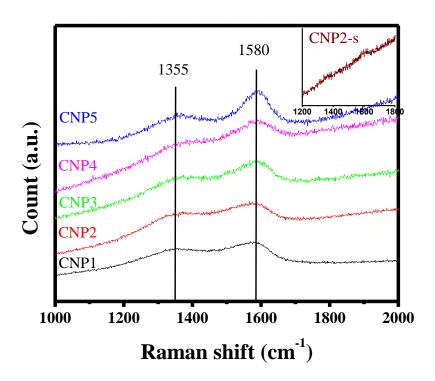
## **Supporting Information:**

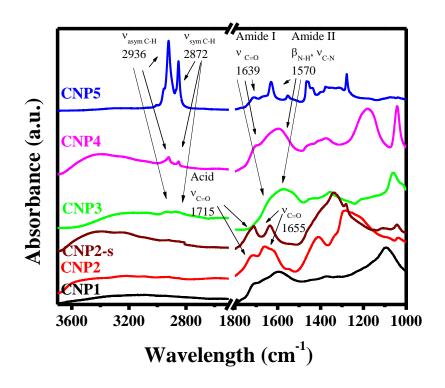
## Photoluminescent carbogenic nanoparticles directly derived from crude biomass.

Marta J. Krysmann, Antonios Kelarakis, Emmanuel P. Giannelis\*.

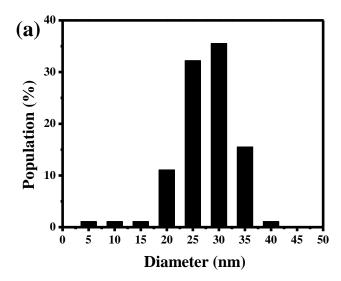
Department of Materials Science and Engineering, Cornell University, Ithaca, New York 14853, United States

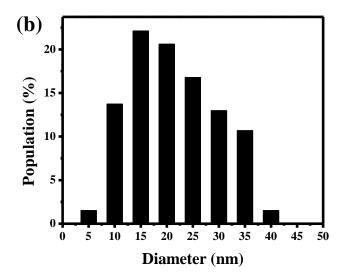


**S.I. Figure 1.** Raman spectra of CNP1, CNP2-s (inset) CNP2, CNP3, CNP4 and CNP5.



**S.I. Figure 2.** FTIR spectra of CNP1, CNP2, CNP2-s, CNP3, CNP4 and CNP5. Peaks that correspond to functional groups mentioned in the text are noted and identified.





**S.I. Figure 3.** Size histograms (each one plotted based on 150 fields) derived from TEM imaging of CNP3 before (a) and after (b) they have been exposed for 11 days to hostile environment.