Supplementary Information (SI) for Sustainable Energy & Fuels.

Solvothermal Synthesis of Carbon Nitride (C_3N_4): Bandgap Engineering for Improved Photocatalytic Performance

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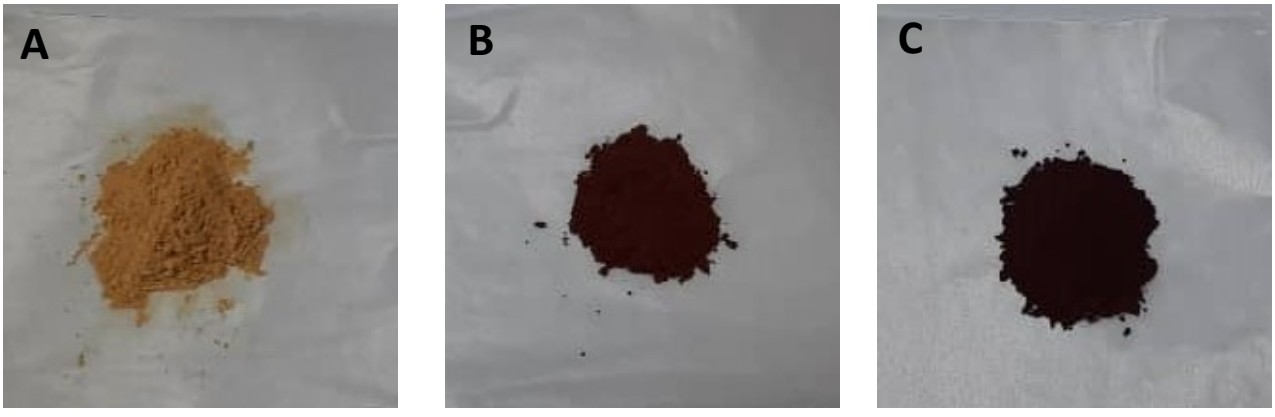

Figure S1. Powder samples of the synthesized g-C_3N_4 obtained through heating at different temperatures (A) 160 ℃, yellow (B)180 ℃, orange and (C) 200 ℃, brick red.

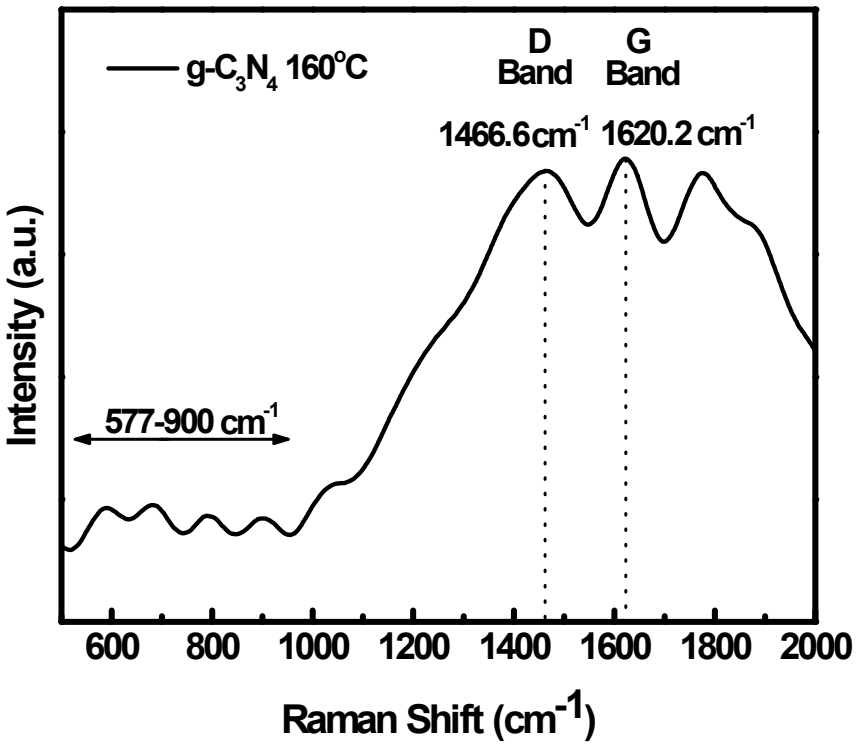

Figure S2. Raman spectra of g-C_3N_4 synthesized through heating at 160 ºC.

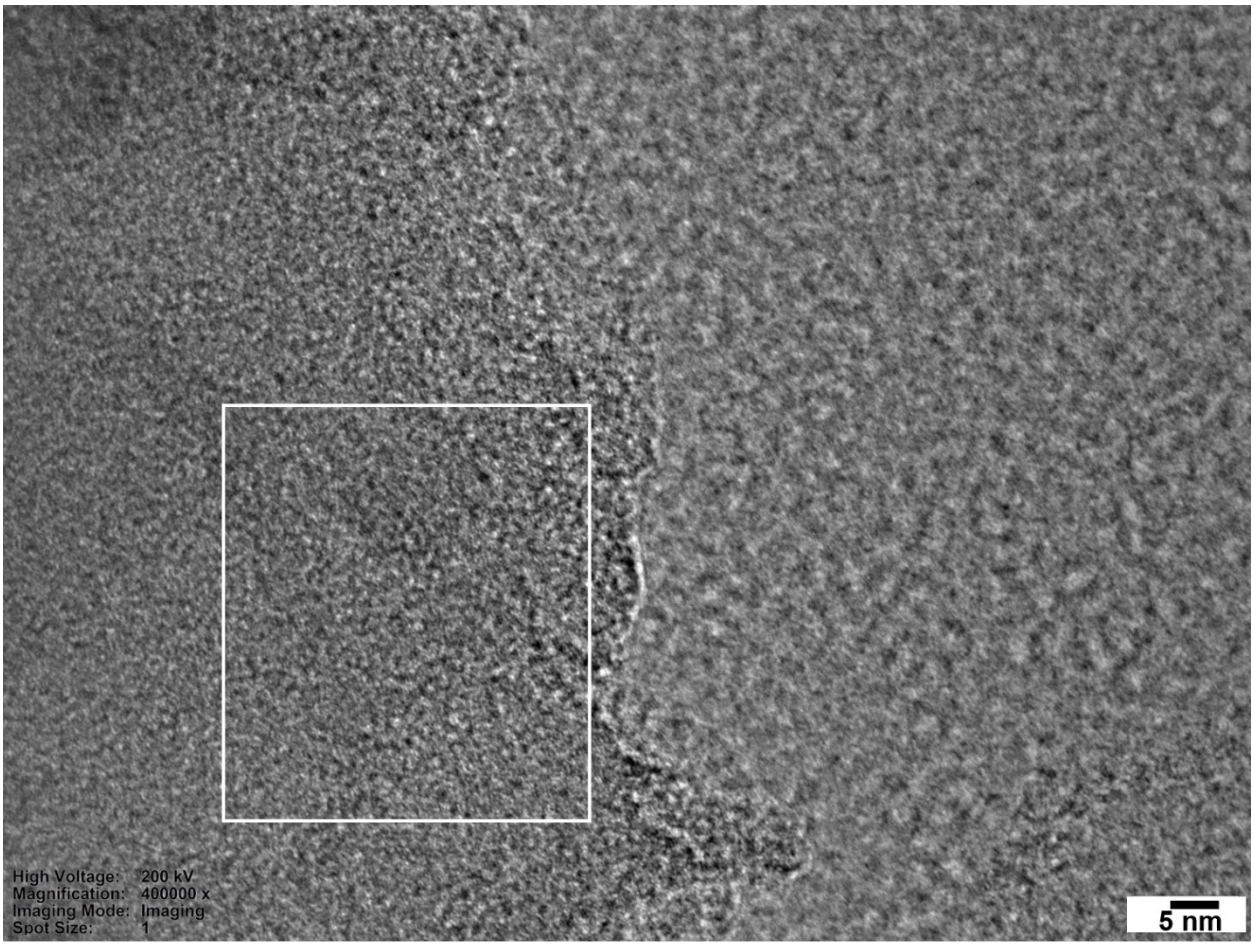

Figure s3: HRTEM image collected from sample synthesized at 160 °C, indicating some small domains with low low-scale ordering of layers.

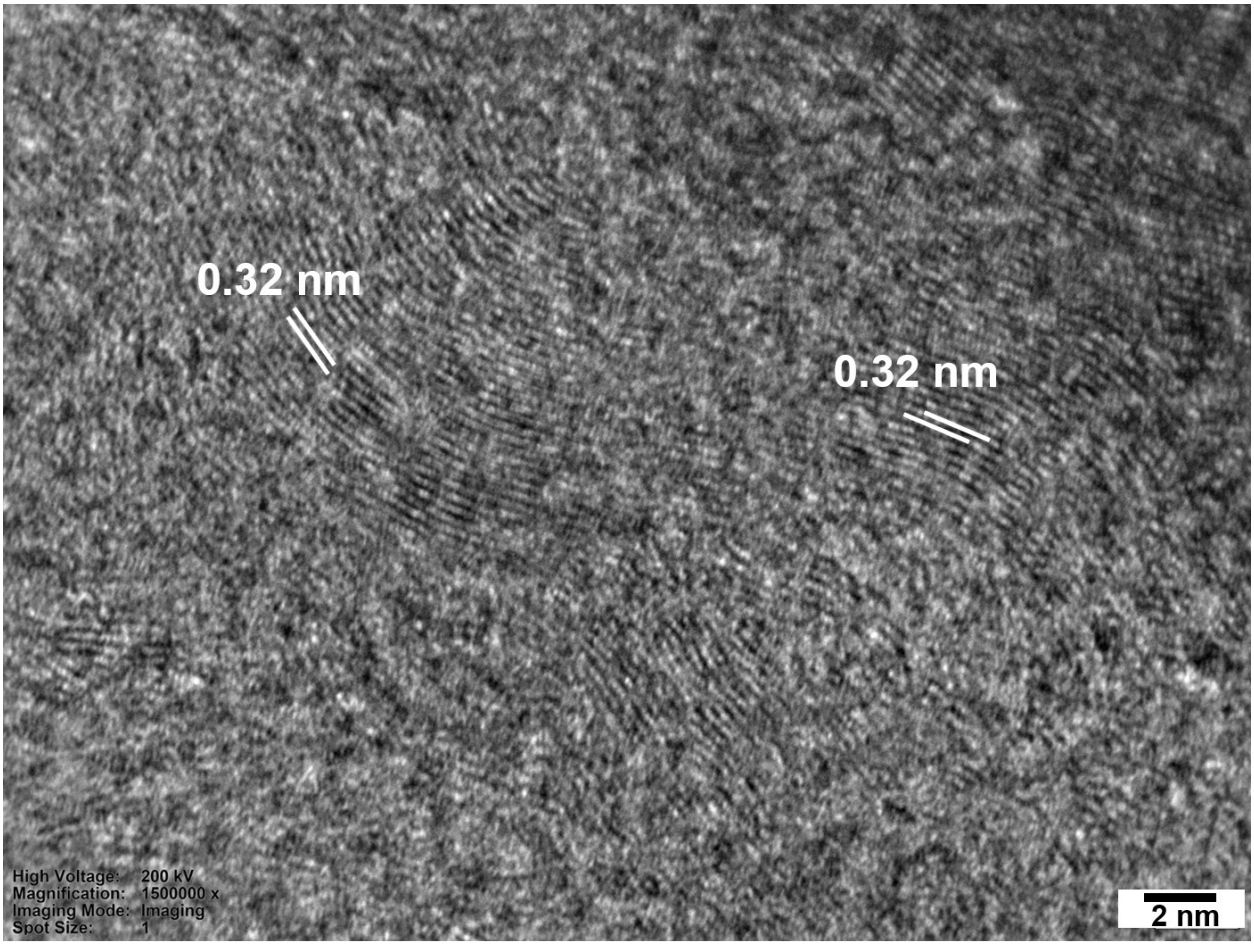

Figure s4: HRTEM image for the sample synthesized at 200 °C, indicating well-defined layered morphology with interlayer d-spacing 0.32 nm corresponding to the (002) reflection.

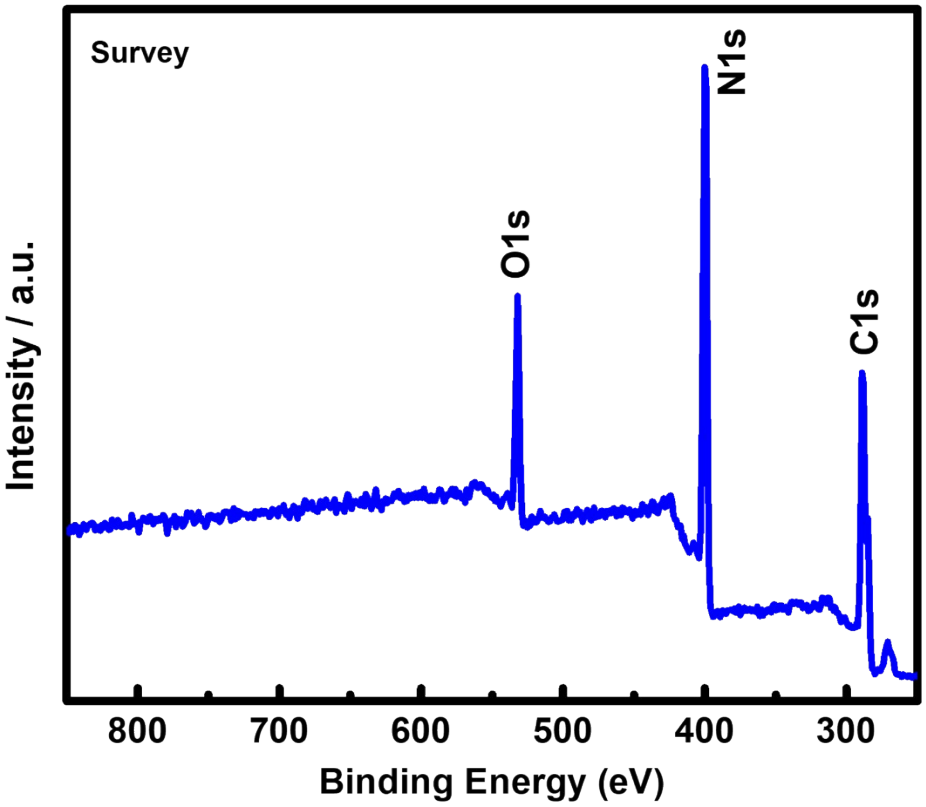

Figure S5. XPS Survey scan spectra of g-C_3N_4 synthesized through heating at 200 ºC.