

Supporting Information

for

Structural, optical, and bioimaging characterization of carbon quantum dots solvothermally synthesized from o-phenylenediamine

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Additional experimental data

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Figure S1: (a) TEM micrograph of CQDs, (b) top view AFM image of CQDs, (c) height profile of CQDs, and (d) particle size distribution of CQDs.



Figure S2: (a) FTIR spectrum of CQDs, (b) UV–vis spectrum of CQDs, (c) PL spectra of CQDs, and (d) EPR spectra of CQDs samples.



Figure S3: Changes in absorption at 415 nm of DBPF (black curve) and CQDs/PU composite sample (red curve).

Table S1: Antibacterial activit	v of CQDs/PU	composite samples.
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Bacteria strains	Irradiation tir	me Antibacterial
	(min)	activity
E. coli	15	no
	30	no
	60	no
	360	no
S. aureus	60	no
	120	no
	240	no
	360	no