

Supplementary Information File

In-vitro DNA binding, molecular docking and antimicrobial studies on newly synthesized poly(*o*-toluidine)-titanium dioxide nanocomposite

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Table S1. Details of preparation of POT and POT-TiO₂ nanocomposite.

Sample ID	Volume of stock solution A taken (mL)	Volume of stock solution B taken (mL)	Weight of TiO ₂ nanoparticles taken in 200 mL of 1M HCl (g)	Ratio of <i>o</i> -toluidine monomer and TiO ₂
POT	100	100	0.0 g	1:0
POT- TiO ₂	100	100	0.20 g	1:1

Stock solution A: 200 g of double distilled *o*-toluidine in 1000 mL of 1M HCl.

Stock solution B: 72.5 g of K₂S₂O₈ in 1000 mL of 1M HCl.

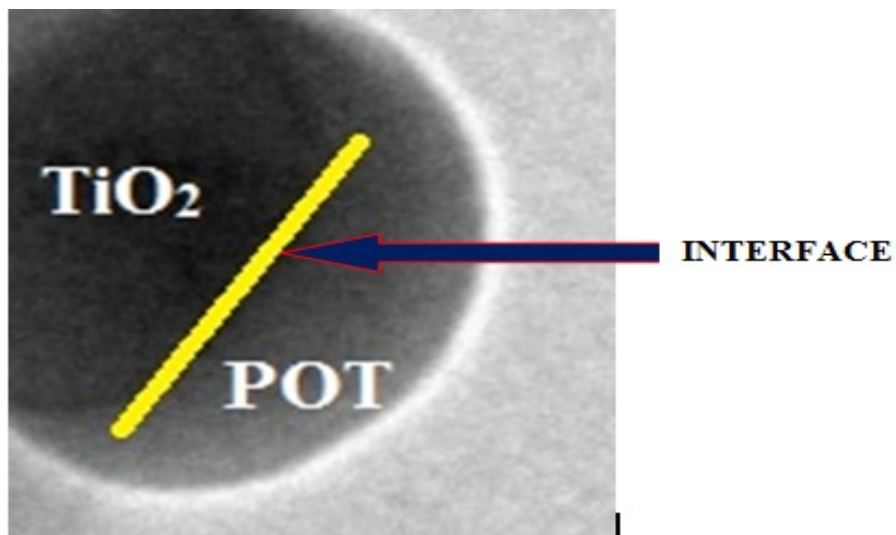


Fig. S2: The TEM micrograph represents the formation of PCz-TiO₂ nanocomposite and also showing the polymerization of carbazole on the surface of TiO₂ nanoparticles.