

## SUPPORTING INFORMATION

### Gelatin-Coated TiO<sub>2</sub>/Pd Hybrid: A Potentially Useful Nanomaterial to Enhance Antibacterial and Anticancer Properties

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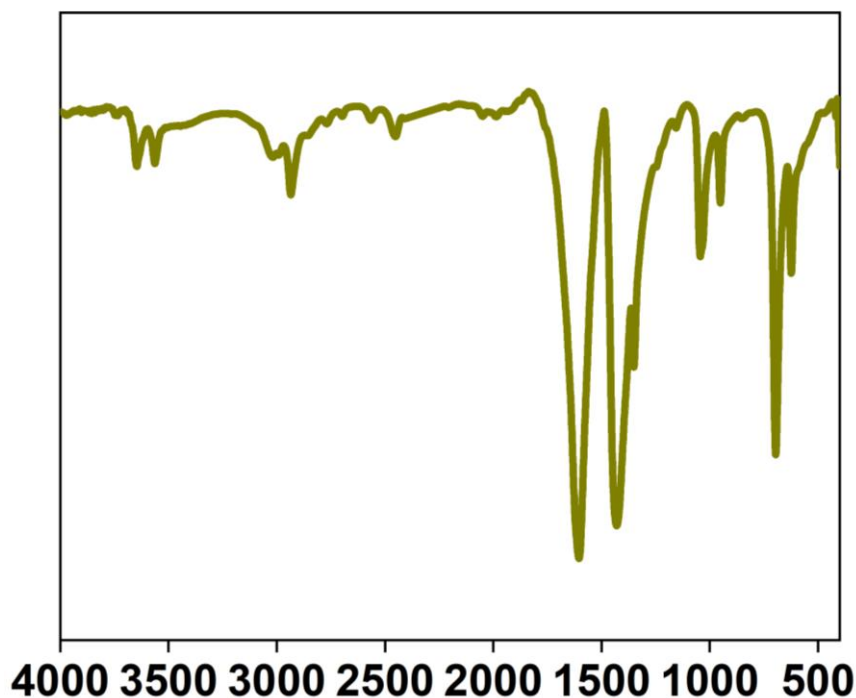
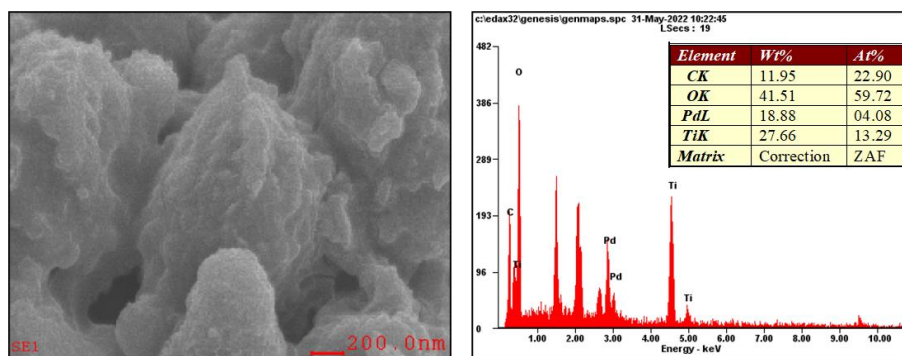
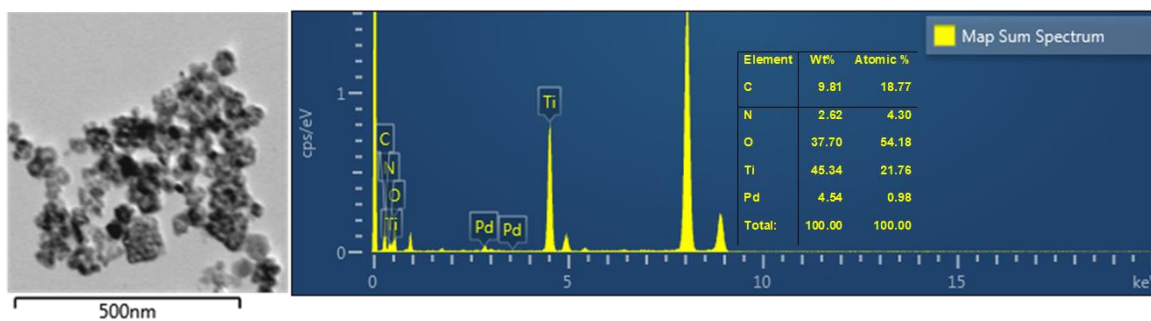


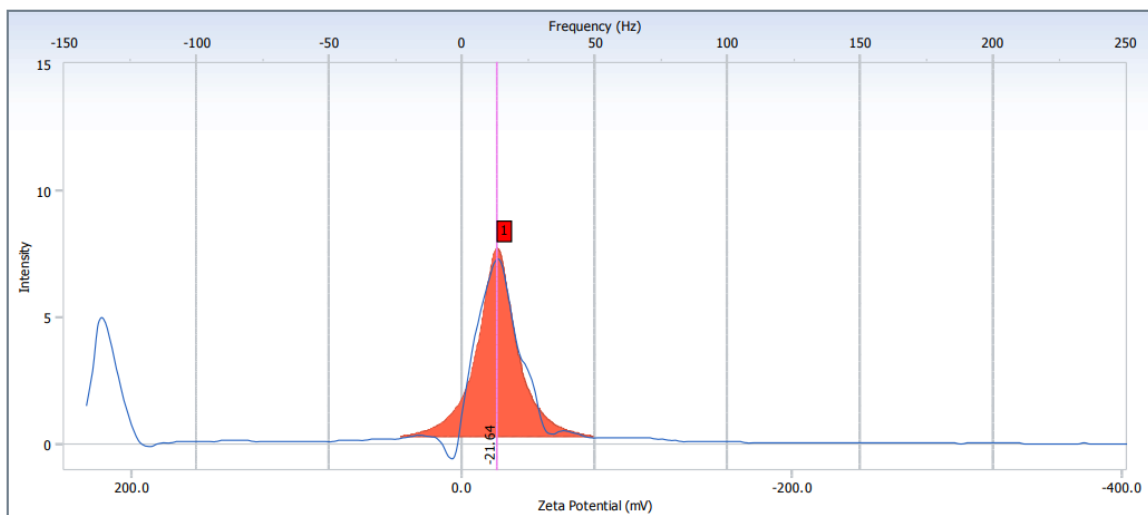
Figure S1. FTIR of palladium acetate.



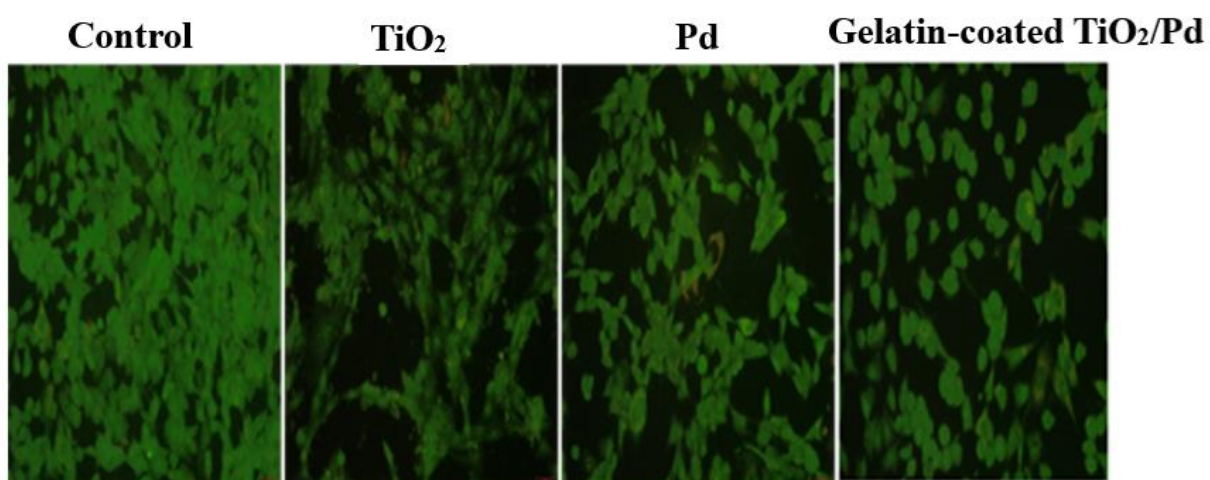
**Figure S2.** HR-SEM EDX of gelatin-coated TiO<sub>2</sub>/Pd hybrid nanomaterials.



**Figure S3.** HR-TEM EDX of gelatin-coated TiO<sub>2</sub>/Pd hybrid nanomaterials.



**Figure S4.** Zeta potential of gelatin-coated TiO<sub>2</sub>/Pd hybrid nanomaterials.



**Figure S5.** Cytotoxicity of the NIH3T3 cells by TiO<sub>2</sub>, Pd and gelatin-coated TiO<sub>2</sub>/Pd examined via light microscopy and AO/EB staining. Control—Optical image under a light microscope of cells in control medium. Reductions in cell viability observed by TiO<sub>2</sub>, Pd and gelatin-coated TiO<sub>2</sub>/Pd.