ELECTRON SUPPORTING INFORMATION (ESI)

Titania as driving agent of DHICA polymerization: a novel strategy for the design of bioinspired antimicrobial nanomaterials

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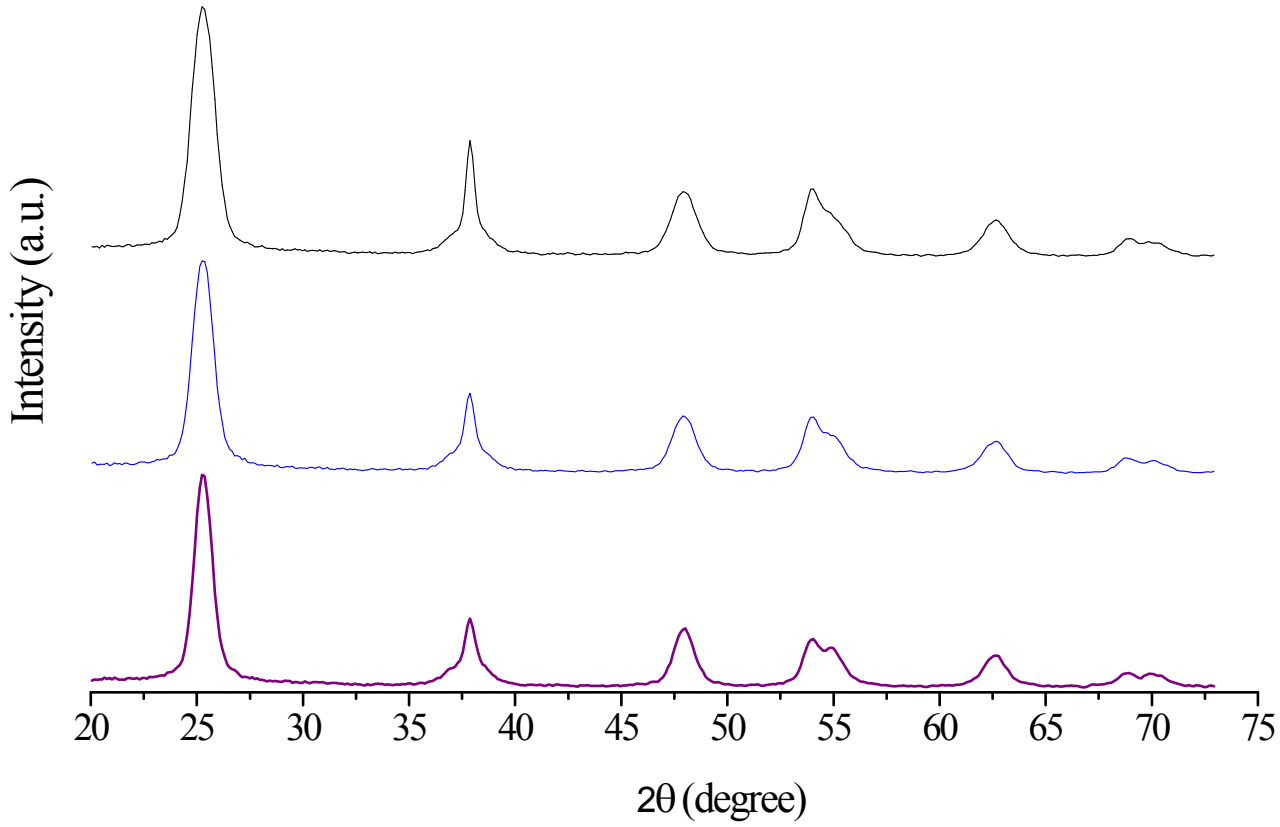

Fig. ESI1 Powder XRD results for bare TiO_2 (black line), TiO_2-DHICA_ti (blue line) and TiO_2-DHICA_polym (purple line) nanomaterials.

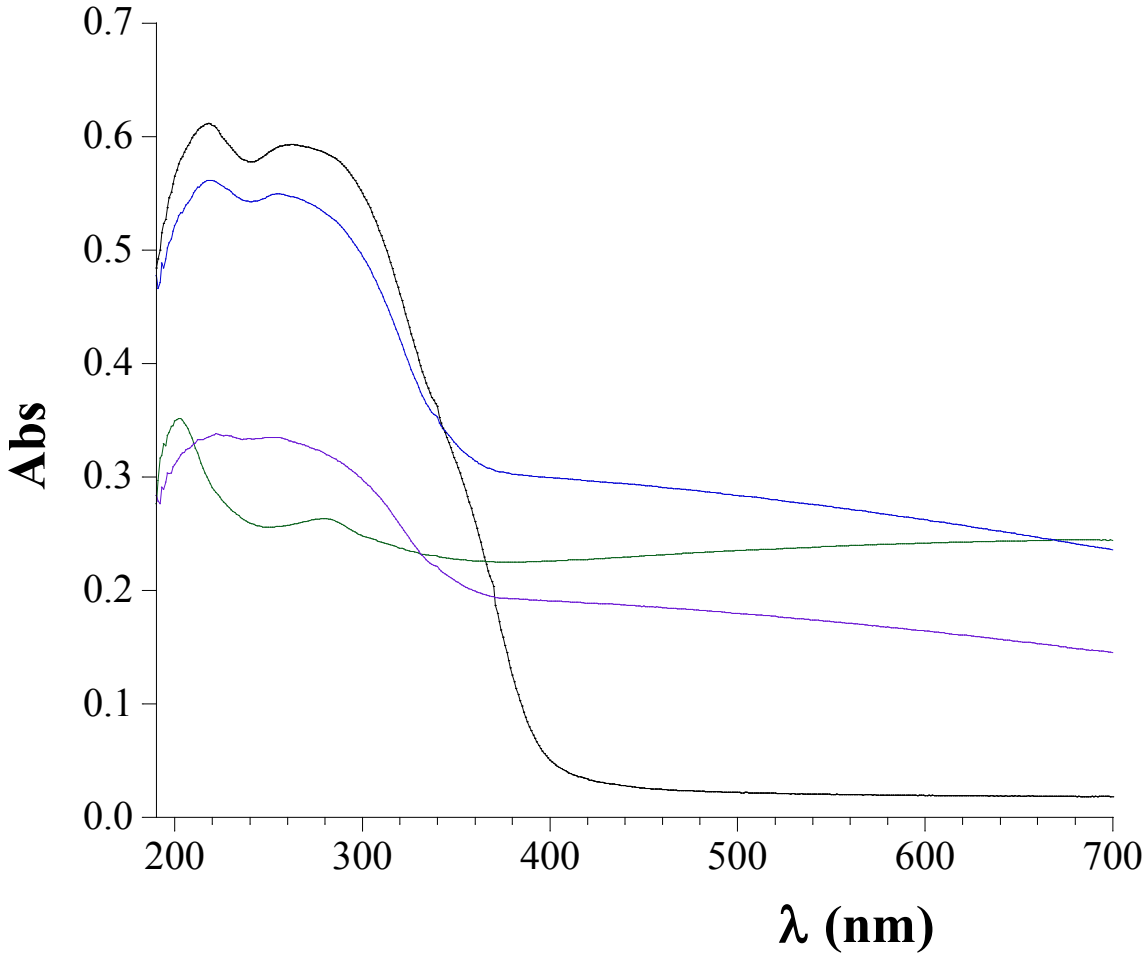

Fig. ESI2 DRUV results of bare TiO_2 (black line), TiO_2-DHICA_ti (blue line), TiO_2-DHICA_polym (purple line) and DHICA-melanin (green line) nanomaterials.

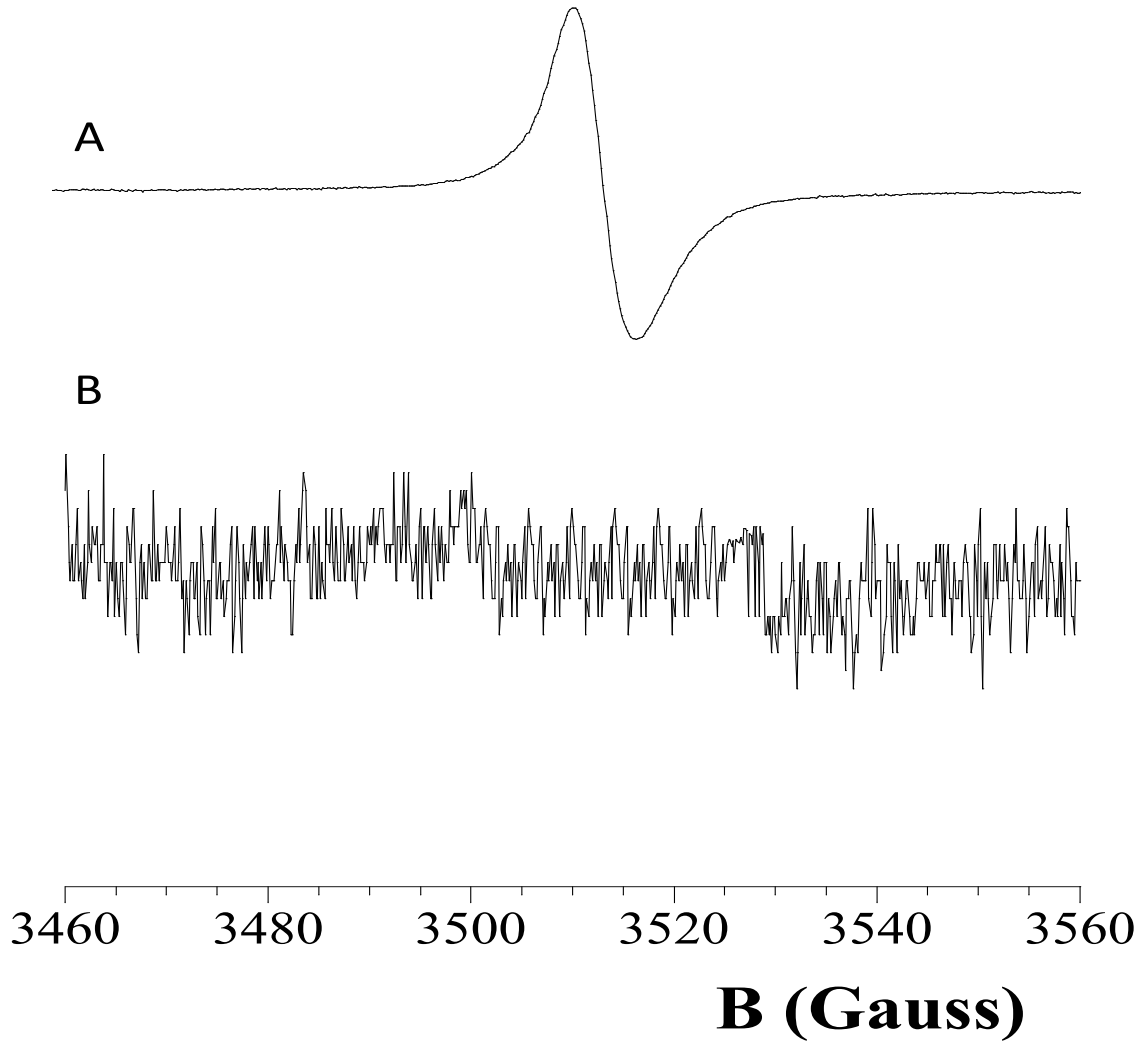

Fig. ESI3 EPR spectra of synthesis product (TiO_2-DHICA_ti nanosystem as reported in the manuscript) in the presence (spectrum A) and in the absence of titania precursor (spectrum B).

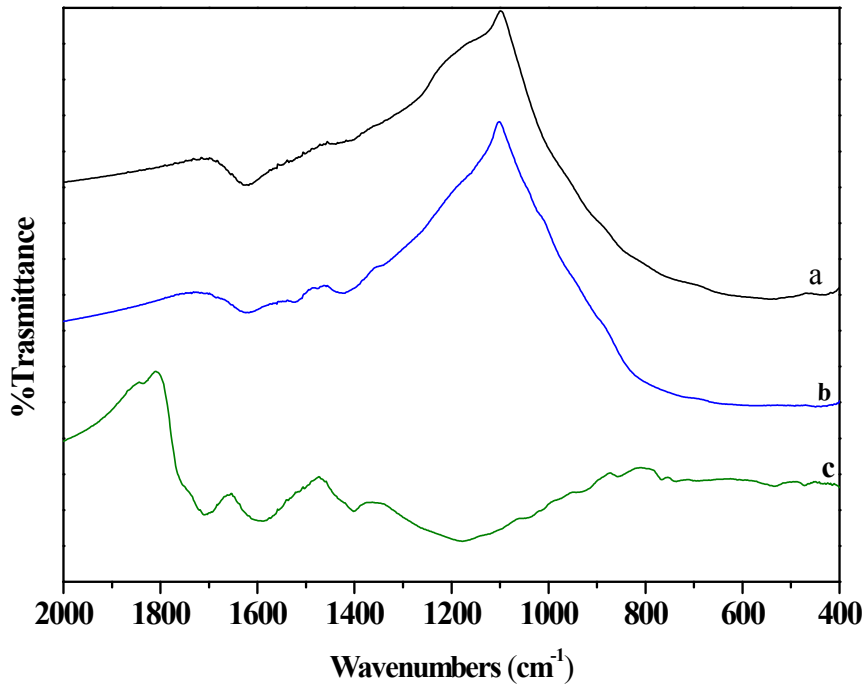

Fig. ESI4 FT-IR spectra of bare TiO_2 (black line), TiO_2-DHICA_polym (purple line) and DHICA-melanin (green line) nanomaterials.