

SUPPORTING INFORMATION

Biological Evaluation of Photodynamic Effect Mediated by Nanoparticles with Embedded Porphyrin Photosensitizer

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Content

Figure S1: Normalized UV-Vis spectra of TPP-NP and TPP

Figure S2. Normalized fluorescence spectra of TPP-NP and TPP

Absorption spectra of TPP encapsulated in polystyrene matrix of nanoparticles are almost identical to the absorption spectrum of TPP in toluene. There is a small contribution of the protonated form of TPP (Protonated form has redshifted the Soret band from 420 to 440 nm) (Figure S1), which is better visible from emission spectra where a new band of the protonated form (680 nm) is clearly visible between two bands of the non-protonated form (650 and 717 nm) (Figure S2). UV-Vis absorption spectra were recorded on Varian 4000 spectrometer equipped with an integration sphere. Steady-state fluorescence spectra were monitored on an FLS 980 spectrofluorometer (Edinburgh Instruments).

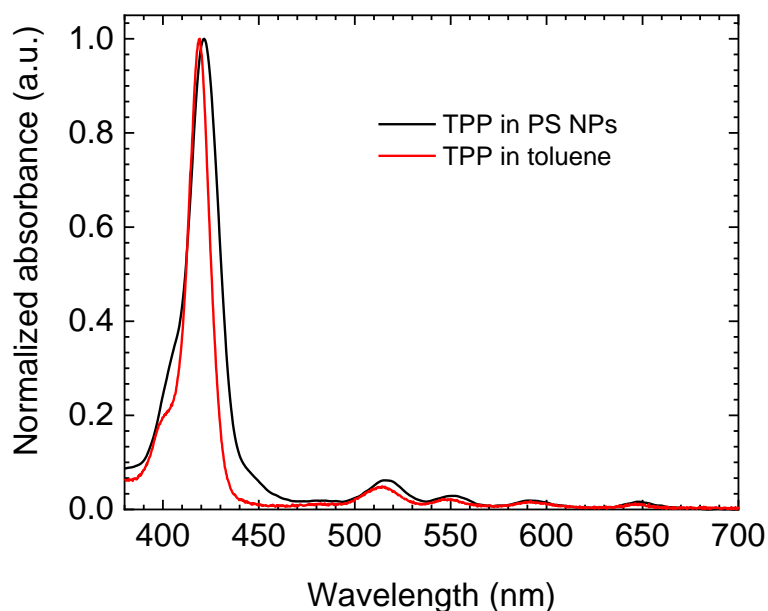


Figure S3: Normalized UV-Vis spectra of **TPP-NPs** in water and TPP dissolved in toluene

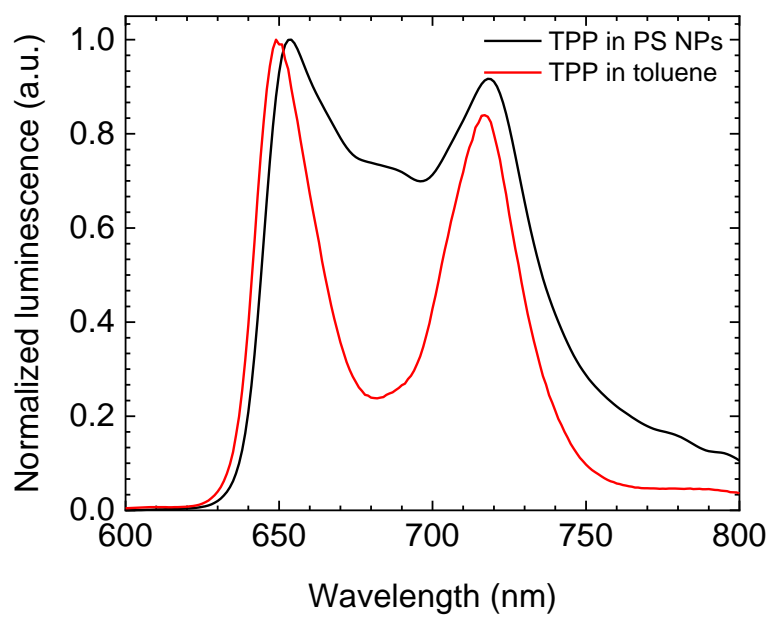


Figure S4. Normalized fluorescence spectra of TPP-NPs suspensions and TPP dissolved in toluene. Excitation at $\lambda_{exc} = 516$ nm.