Electronic Supplementary Material (ESI) for RSC Advances

Superior photocatalytic behaviour of novel 1D nanobraids and nanoporous α-Fe_2O_3

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Supplementary information:

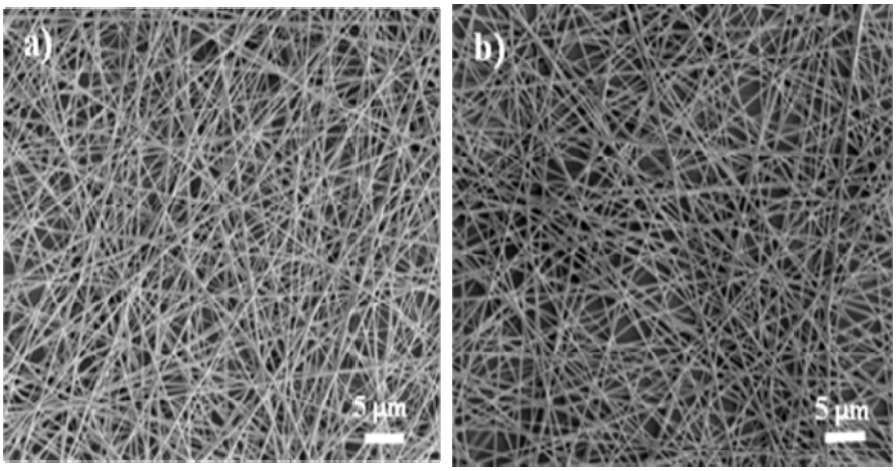

Fig. S1 SEM images of (a) 4 wt% and (b) 6 wt% $Fe(acac)_3$/PVP composite fibers at 15 kV and 18 kV power supply.

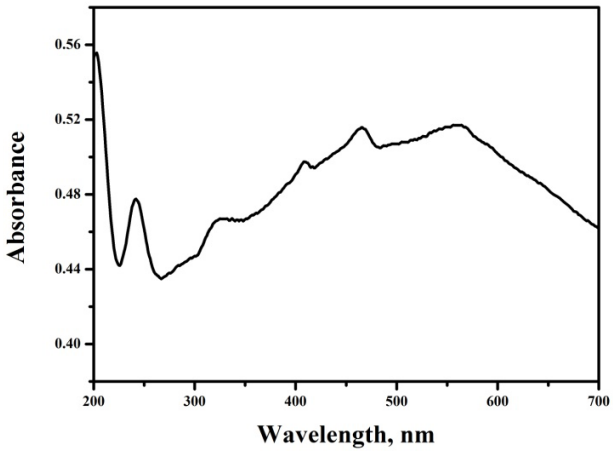

Fig. S2. UV-Visible absorption spectrum of α-Fe_2O_3 nanobraid structures.

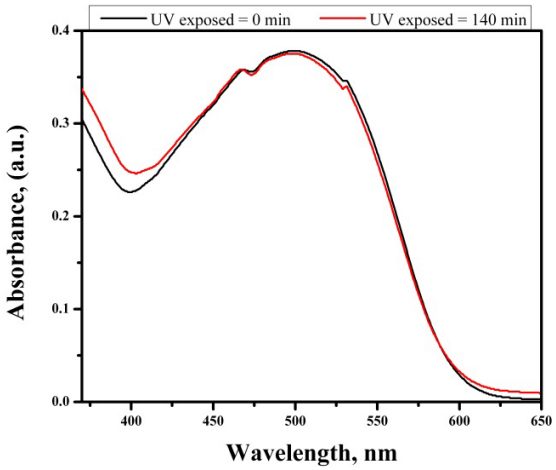

Fig. S3. UV-Visible absorption spectrum of congo red dye in the absence of α-Fe_2O_3 nanostructures before and after 140 min of UV exposure.