

Electronic Supplementary Information

Synthesis of PVC/CNT nanocomposite Fibers using simple deposition technique for the application of Alizarin Red S (ARS) removal

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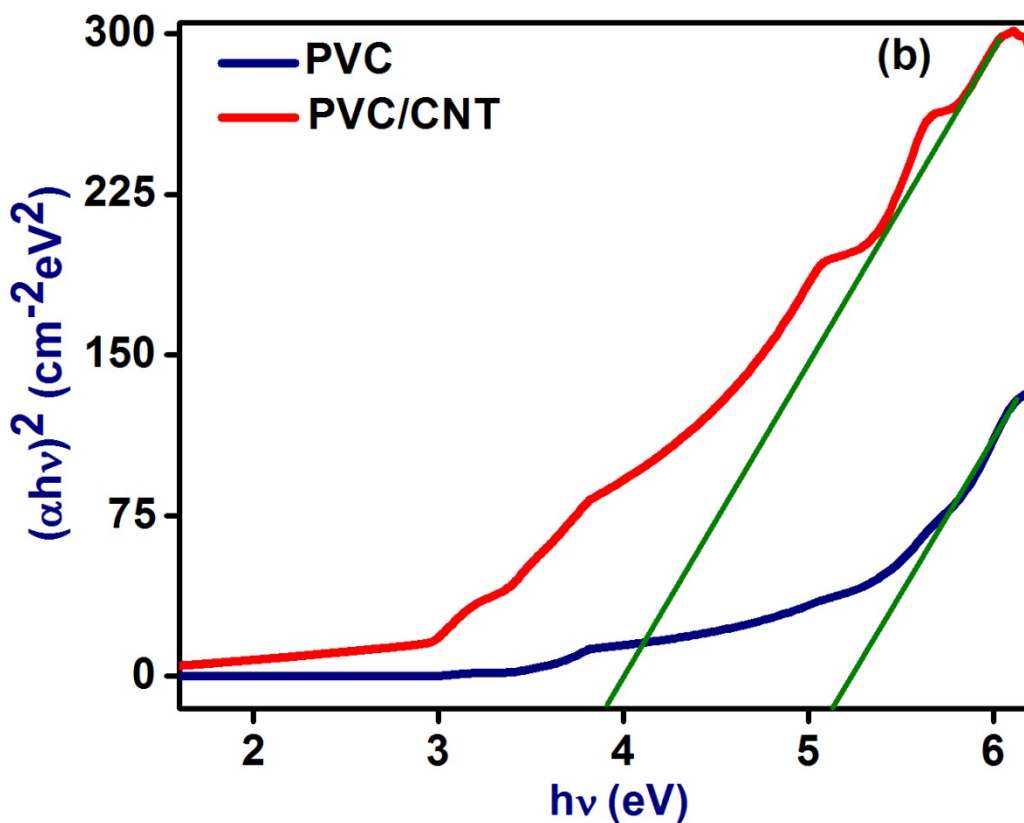


Fig. S1. Direct band gap plot for PVC and PVC/CNT nanocomposite fibers

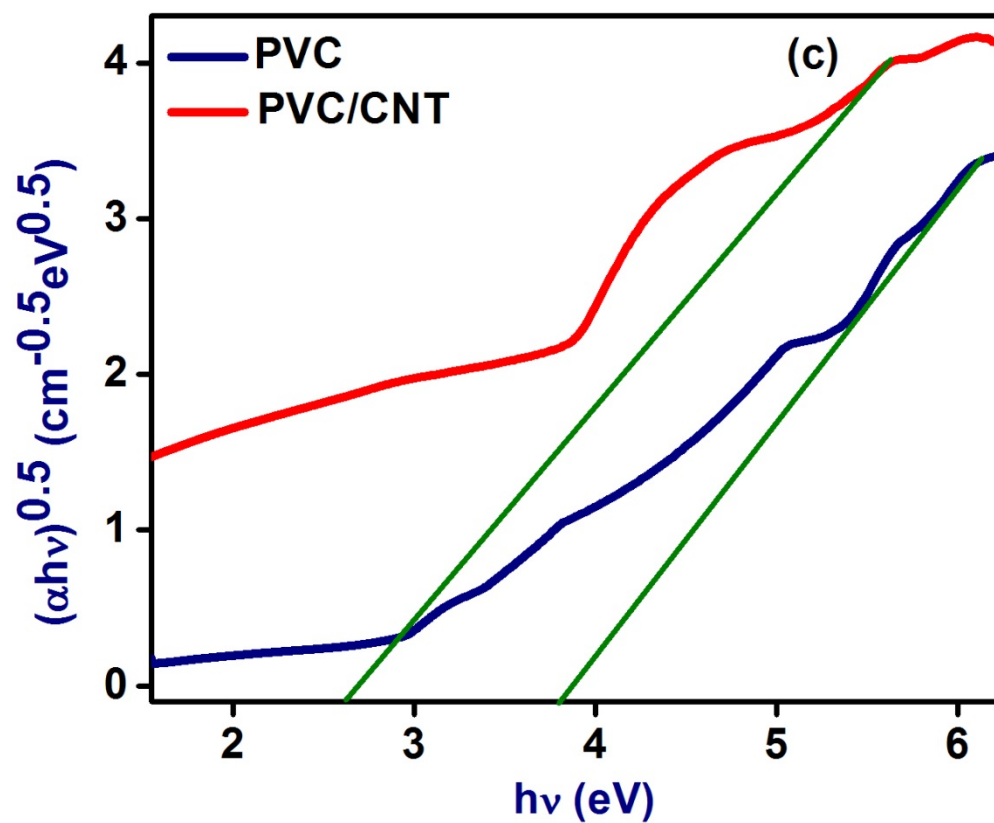


Fig. S2 Indirect band gap plot for PVC and PVC/CNT nanocomposite fibers

Table S1. Preparation detail for PVC and PVC/CNT nanocomposite fibers

Sample ID	PVC (g)	CNT(g)	THF (mL)
PVC	1.5	0	50
PVC/CNT	1.5	0.045	50

Table S2. Band gap according to the direct allowed and indirect allowed transitions.

Sample	Direct allowed E_g (eV)	Indirect allowed E_g (eV)
PVC	5.13	3.81
PVC/CNT	3.89	2.62

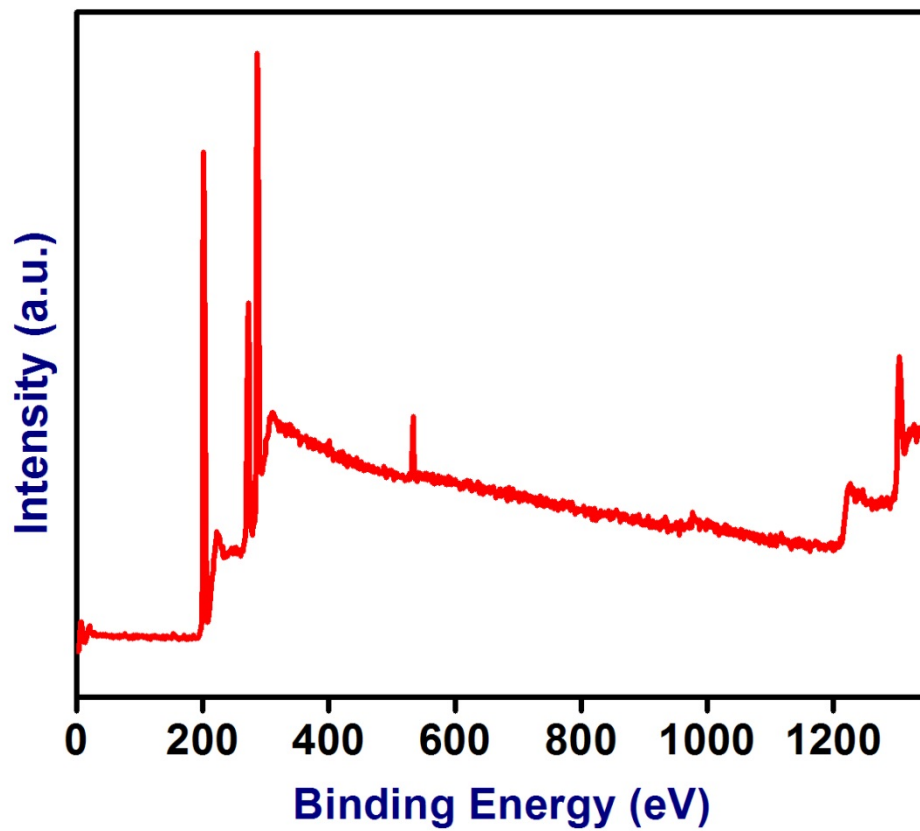


Fig. S3 XPS survey scan for PVC/CNT nanocomposite fibers.