

Supplementary information

Preparation of TiO₂/WO₃/C/N Composite Nanofibers by Electrospinning Using Precursors Soluble in Water and Their Photocatalytic Activity in Visible light

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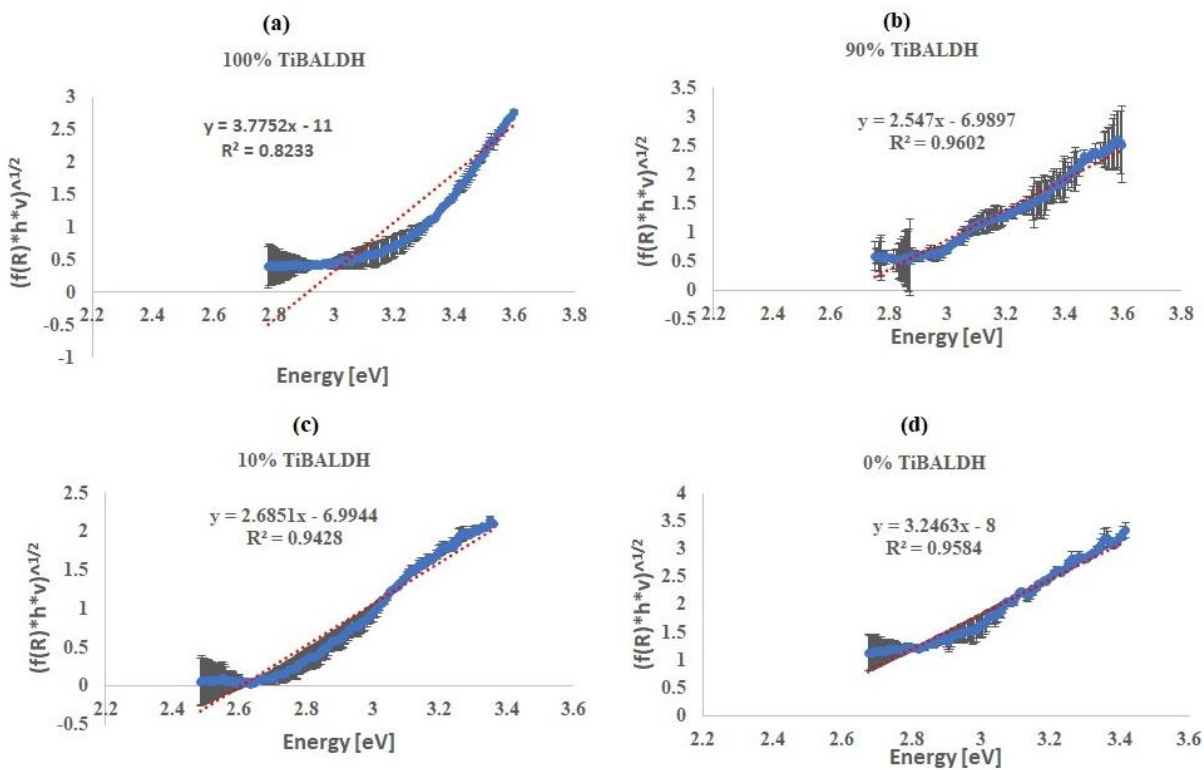


Figure S1. Tauc plots a) 100% TiBALDH b) 90% TiBALDH c) 10% TiBALDH and d) 0% TiBALDH

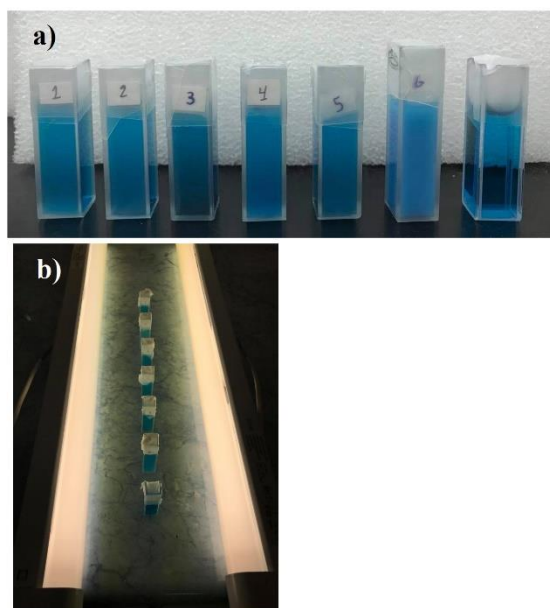


Figure S2. Photocatalysis set up a) Fibers and dye allowed to stand overnight b) mixture in visible light before absorption measurements are done using a Jasco V-550 UV-VIS spectrometer

Table S1. Absorbance values for photocatalytic process of methylene blue degradation in visible light

Time (Min)	Absorbance					P25	Bare methylene blue
	100% TiBALDH	90% TiBALDH	50% TiBALDH	10% TiBALDH	0% TiBALDH		
0	2.31656	2.31042	2.29842	2.31987	2.01493	2.31236	2.32121
30	2.30082	2.203075	2.28195	2.311089	1.96609	2.287553	2.36612
60	2.29987	2.074053	2.227594	2.292482	1.94385	2.191027	2.34984
90	2.24933	1.952477	2.189794	2.215253	1.88041	2.113883	2.32266
120	2.18495	1.829468	2.13021	2.147228	1.81292	2.044561	2.29596
150	2.12146	1.778218	2.058037	2.088607	1.75917	1.973696	2.2745
180	2.05925	1.661693	1.982109	2.02423	1.69845	1.903348	2.24647
210	1.99392	1.555856	1.93076	1.953409	1.63524	1.840046	2.21482
240	1.93938	1.399673	1.877772	1.895914	1.57763	1.78283	2.18377

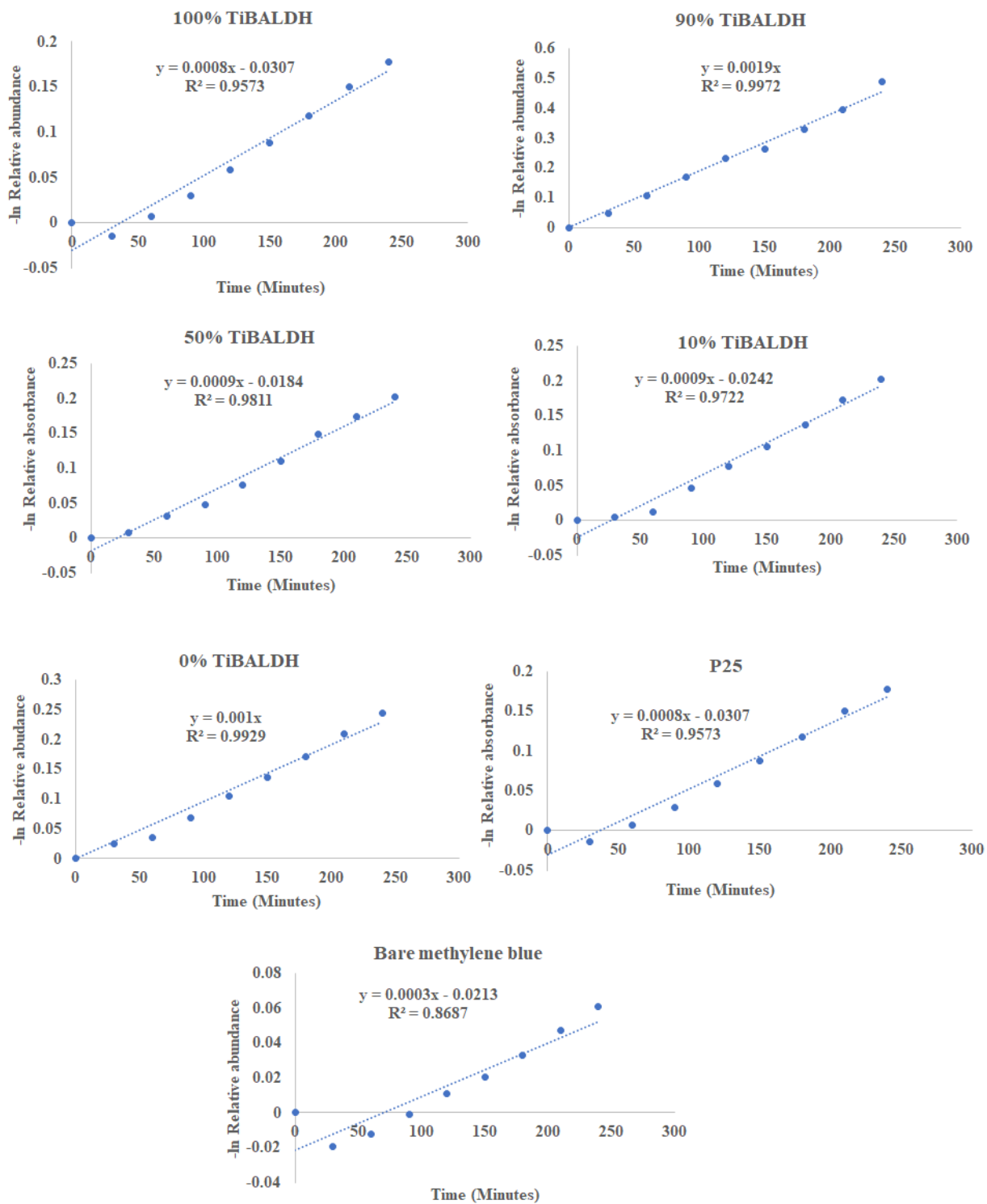


Figure S3. Apparent rate constant and R² values for the photocatalytic degradation of methylene blue in visible light