Electronic Supplementary Material (ESI) for New Journal of Chemistry.

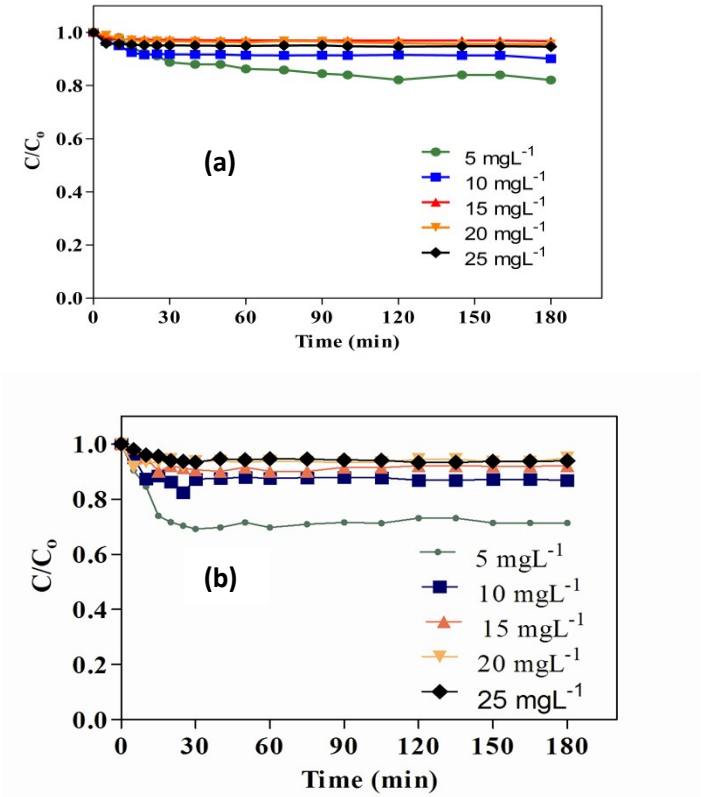

Fig. S1. Plot of C/C_0 vs time for (a) Adsorption studies and (b) Photolytic studies in the presence of TiO_2 only and UV only respectively for the degradation of imidacloprid (C_0=25 mgL^{-1}, V = 200 mL).

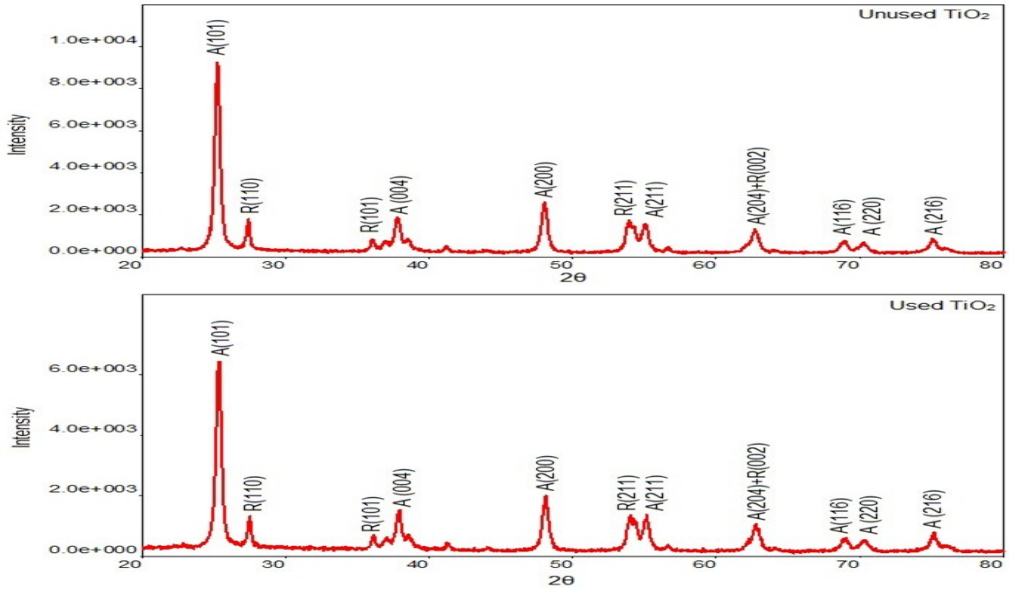

Fig. S2. XRD pattern of fresh (unused) and used suspended TiO_2 (Ref: D. Dixit, A. Verma, S. Gupta, and P. Bansal, RSC Adv. 2016, 6, 36109-36117).

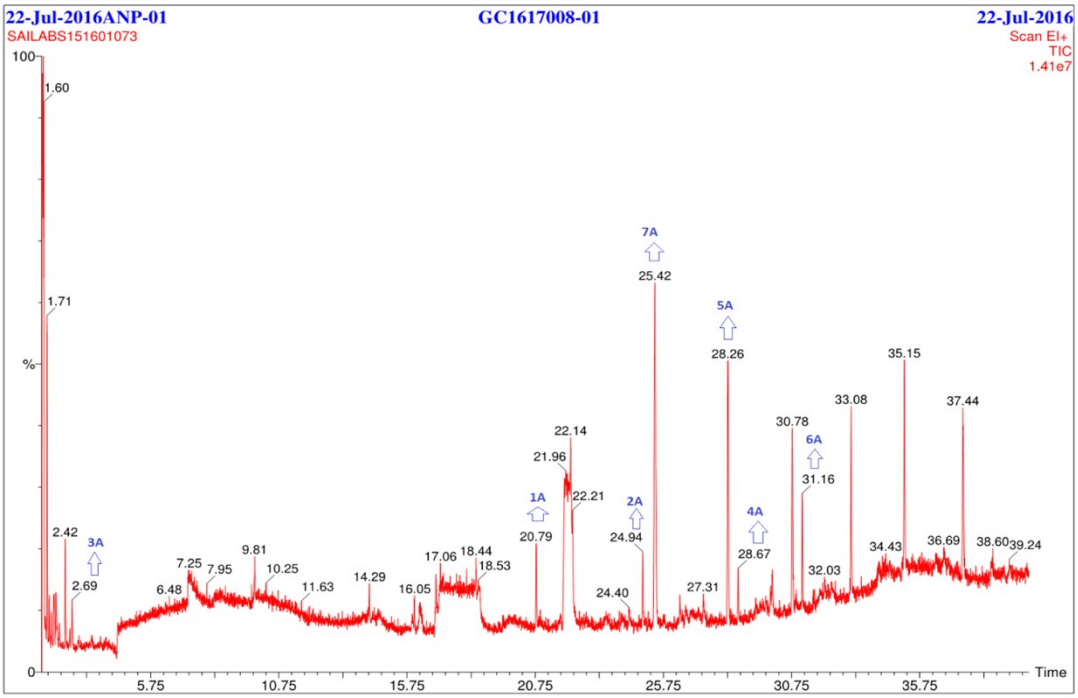

Fig. S3. GC-MS chromatograms for studying the intermediates during the degradation of imidacloprid.

Time (min)	**% Degradation**		
	H_2O_2	**$K_2S_2O_8$**	**$KBrO_3$**
0	0	0	0
60	66	67.5	68.14
120	84	89.19	90.2
180	94.4	95.3	96.02

Table S1: Degradation of imidacloprid using different oxidants (H_2O_2, $K_2S_2O_8$, $KBrO_3$).