

Visible-Light-Induced Degradation of Rhodamine B by Nanosized $\text{Ag}_2\text{S-ZnS}$ Loaded on Cellulose

Prashantha Kumar T.K.M,^a Ashok Kumar S.K.*^a

Supporting electronic information (SEI)

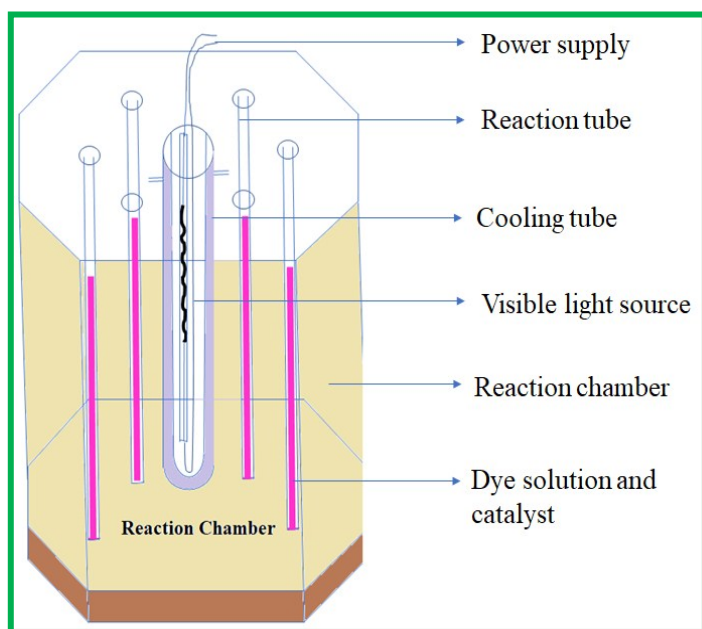


Fig. S1 Schematic representation of photocatalytic reactor

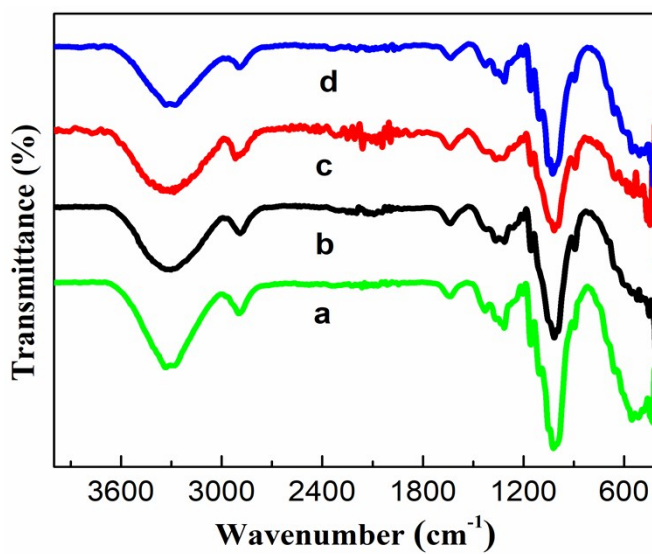


Fig. S2 FT-IR spectra of (a) CE (b) ZCE (c) ACE and (d) AZCE

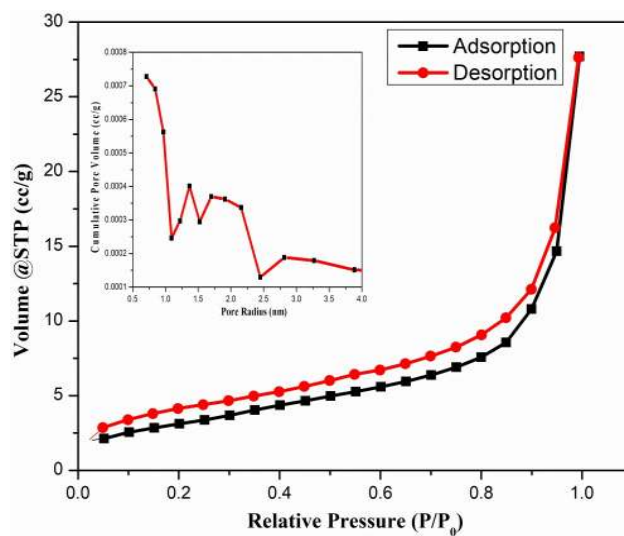


Fig. S3 N₂ adsorption-desorption of AZCE

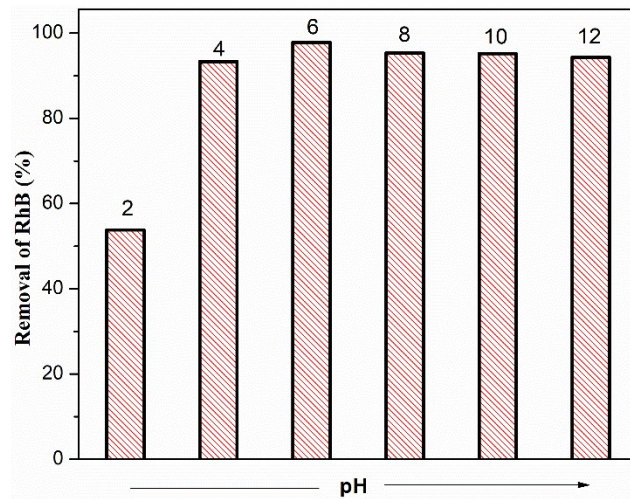


Fig. S4 Effect of pH on degradation of RhB using AZCE

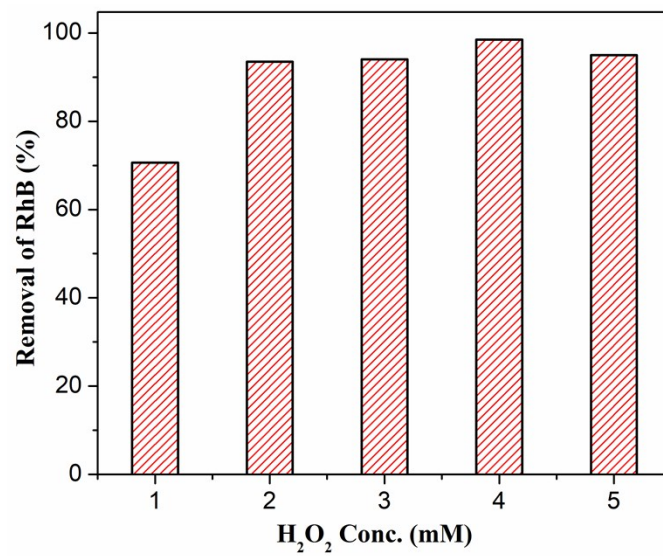


Fig. S5 Effect of H₂O₂ on degradation of RhB using AZCE

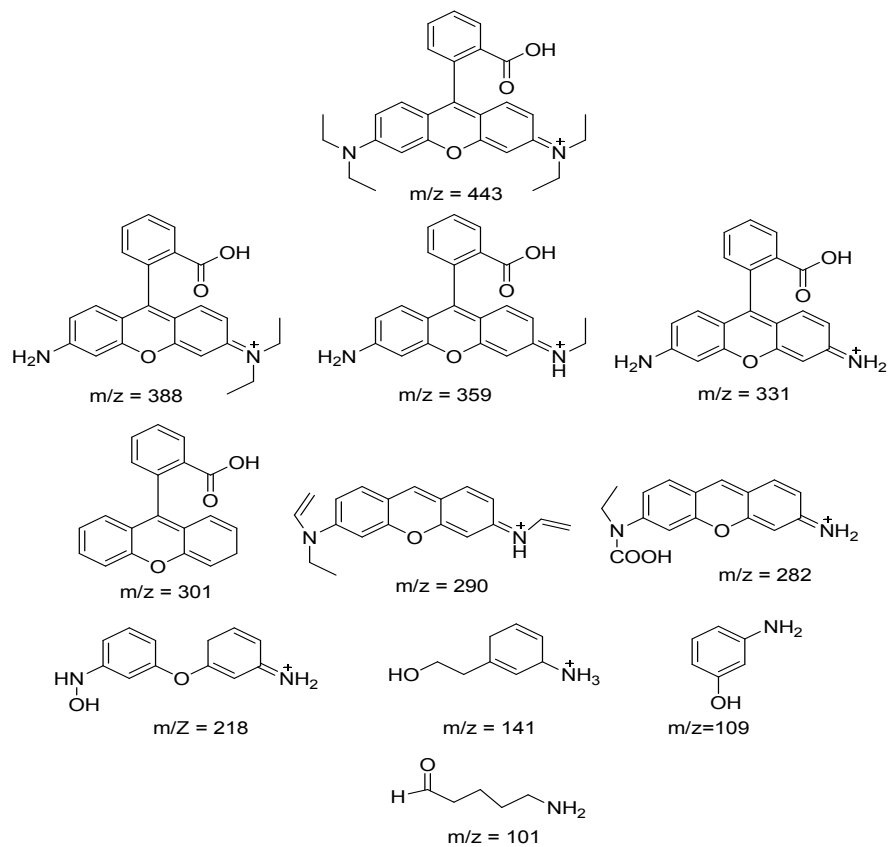
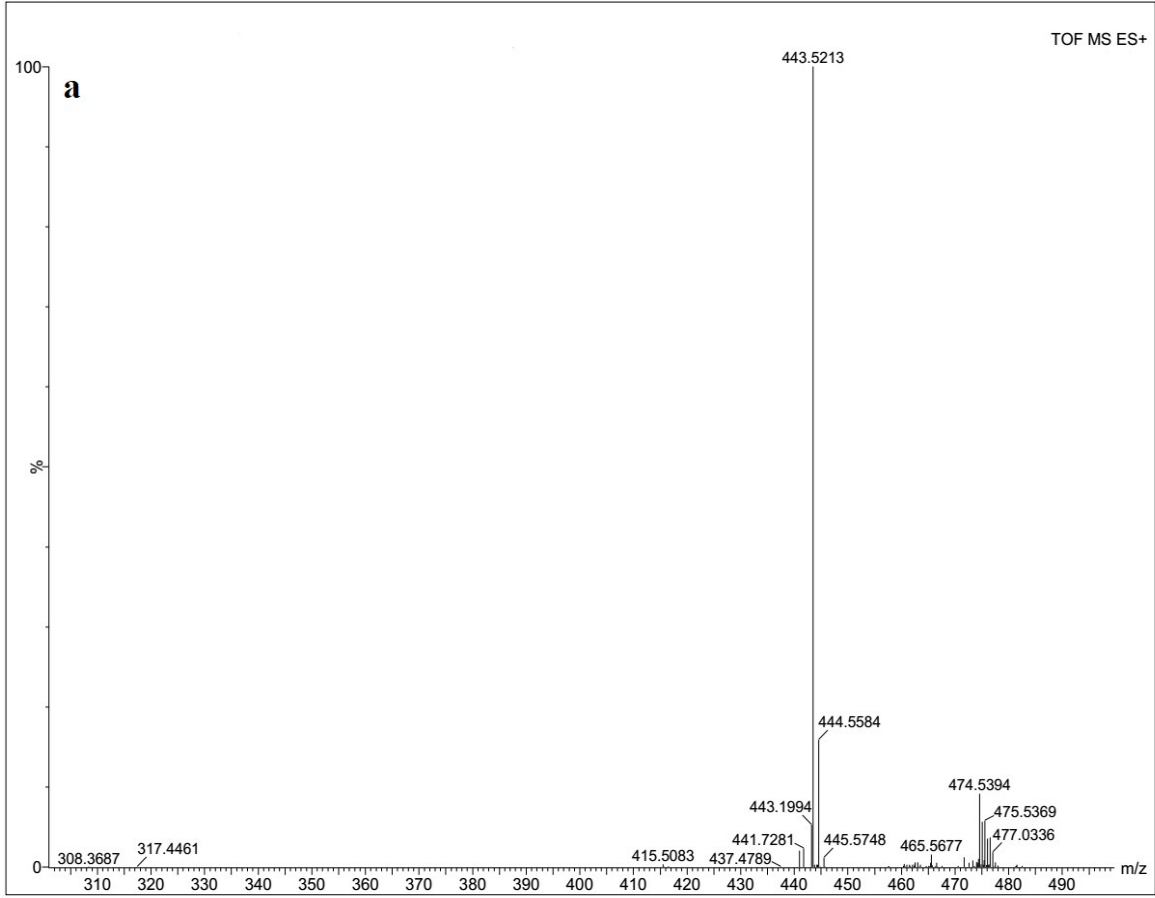
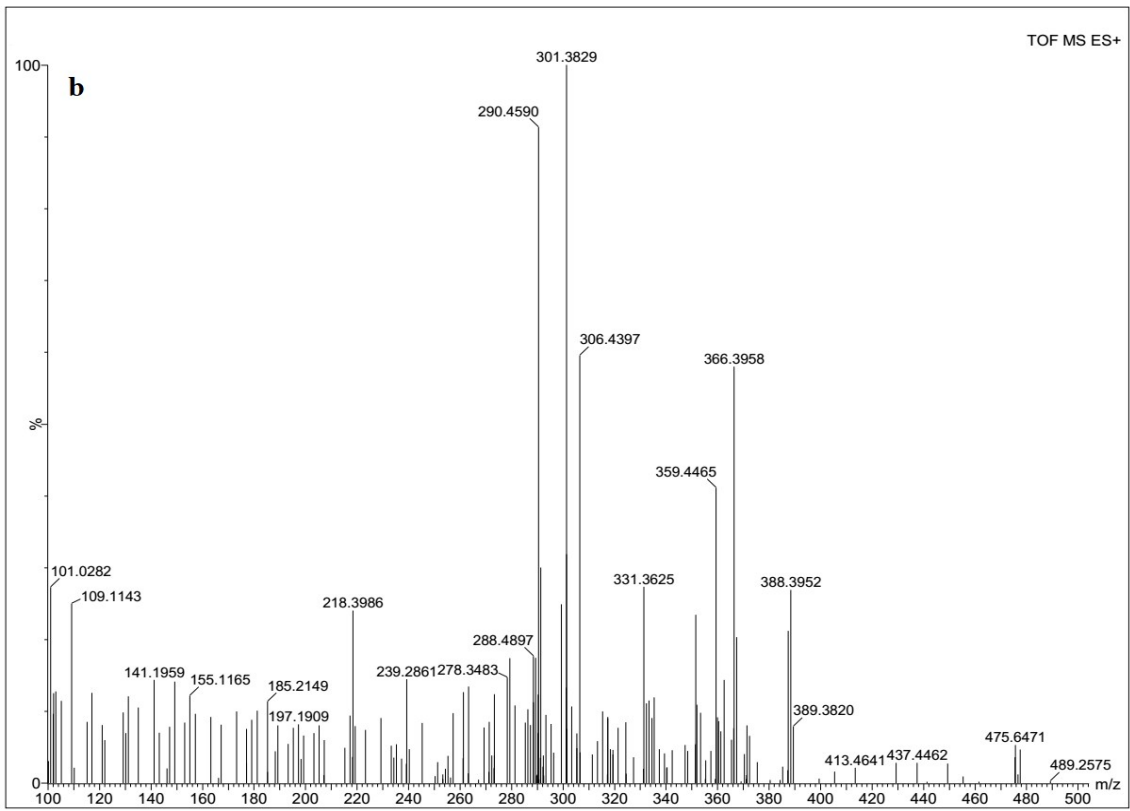


Fig. S6 Intermediates identified during photocatalytic degradation of RhB by AZCE





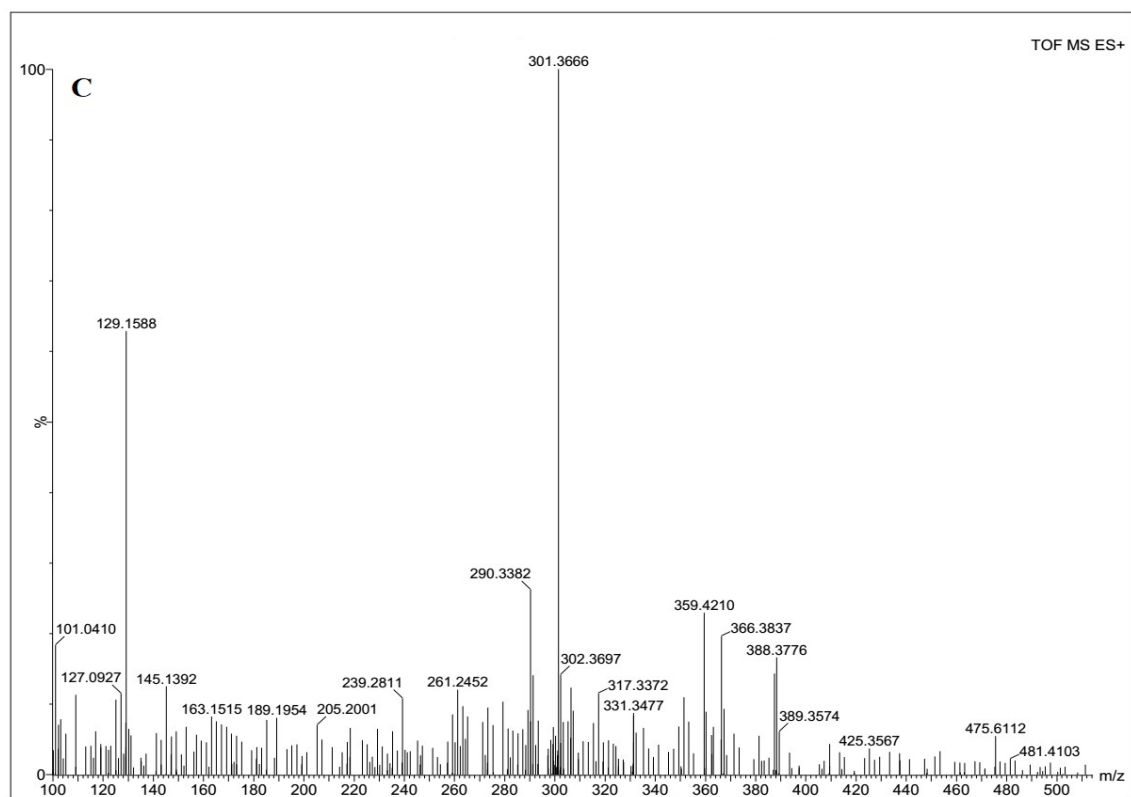


Fig. S7 Mass spectra of RhB dye taken after irradiation of light (a) 0 min (b) 60 min (c) 120 min using AZCE