S1 : Photobleaching of methyl orange under UV irradiation for 24 hours, without H$_2$O$_2$ addition

S2 : Photobleaching of methyl orange in the presence of H$_2$O$_2$ under visible light irradiation
S2: Photobleaching of methyl orange in the presence of H₂O₂ with UV irradiation of new composition coloured ZBP glasses (50 mol% ZnO concentration)

S4: Polyacrylamide prepared by radical polymerization initiating using the synthesized white ZBP glass