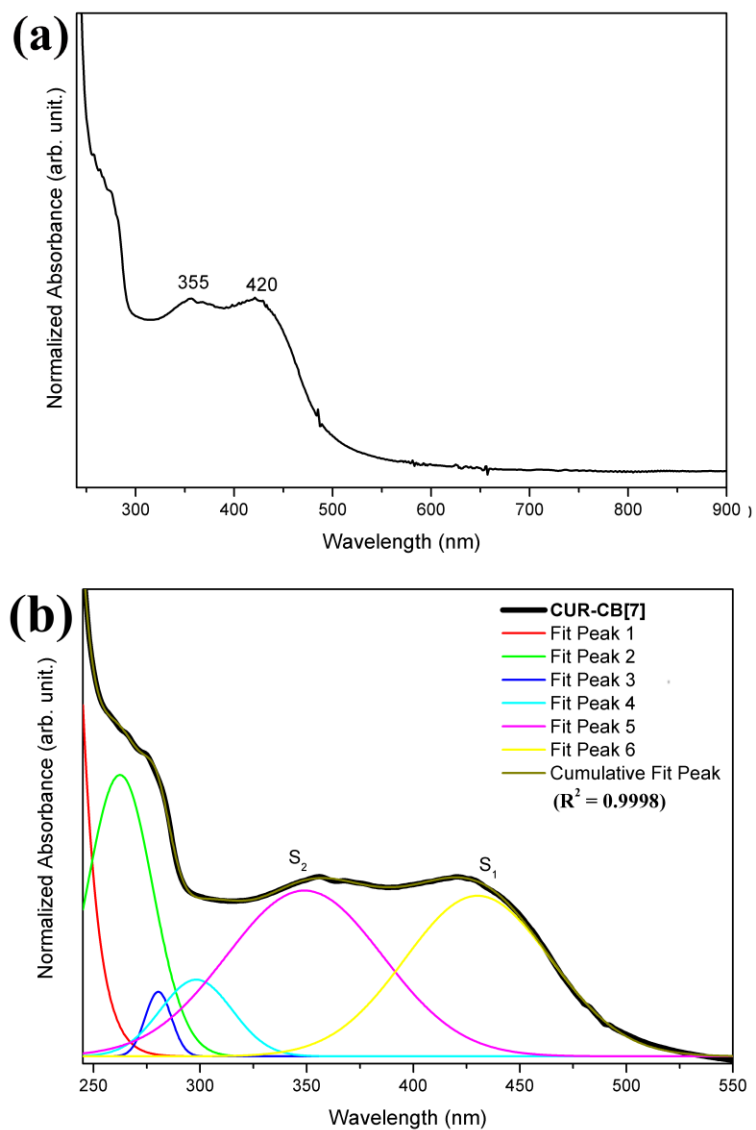


**Figure S2.** Absorption spectra of CB[7] in PBS solution (pH= 7.2).



**Figure S3.** Absorption (a) and deconvoluted absorption (b) spectra of CUR-CB[7] in PBS solution (pH= 7.2).

**Table S1:** maximum absorption wavelength of deconvoluted peak of the CUR and CUR-CB[7]

Fit Peak	CUR ( $\lambda_{\text{max}}/\text{nm}$ )	CUR-Cb[7] ( $\lambda_{\text{max}}/\text{nm}$ )
1	261	-
2	304	262
3	380	280
4	415	298
5	418	349
6	446	430

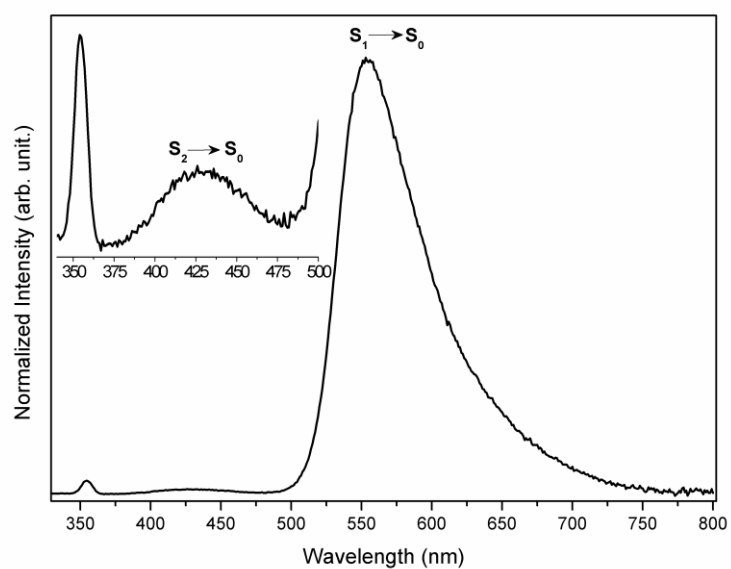
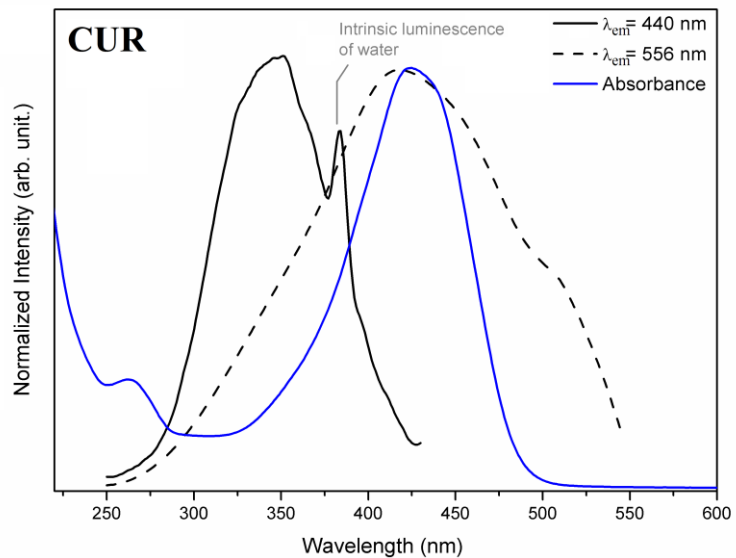
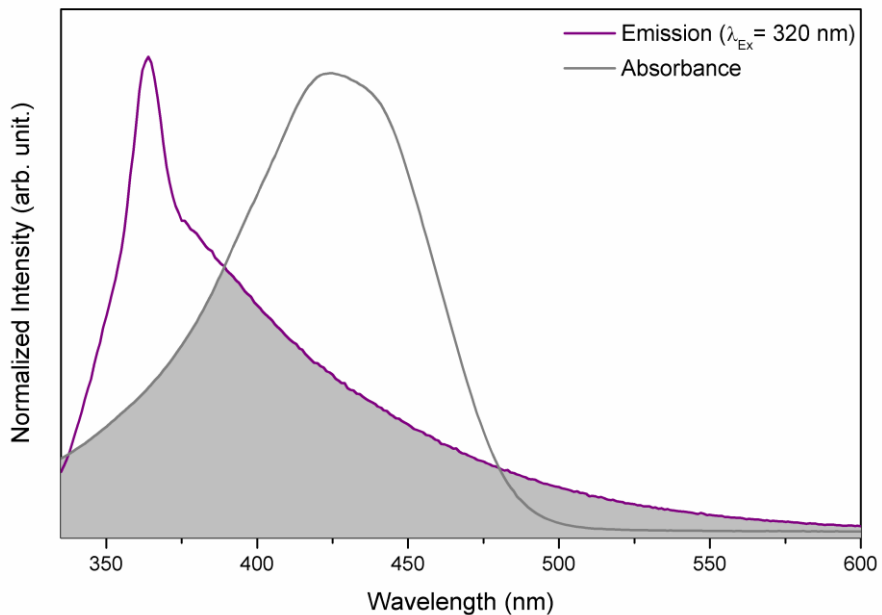


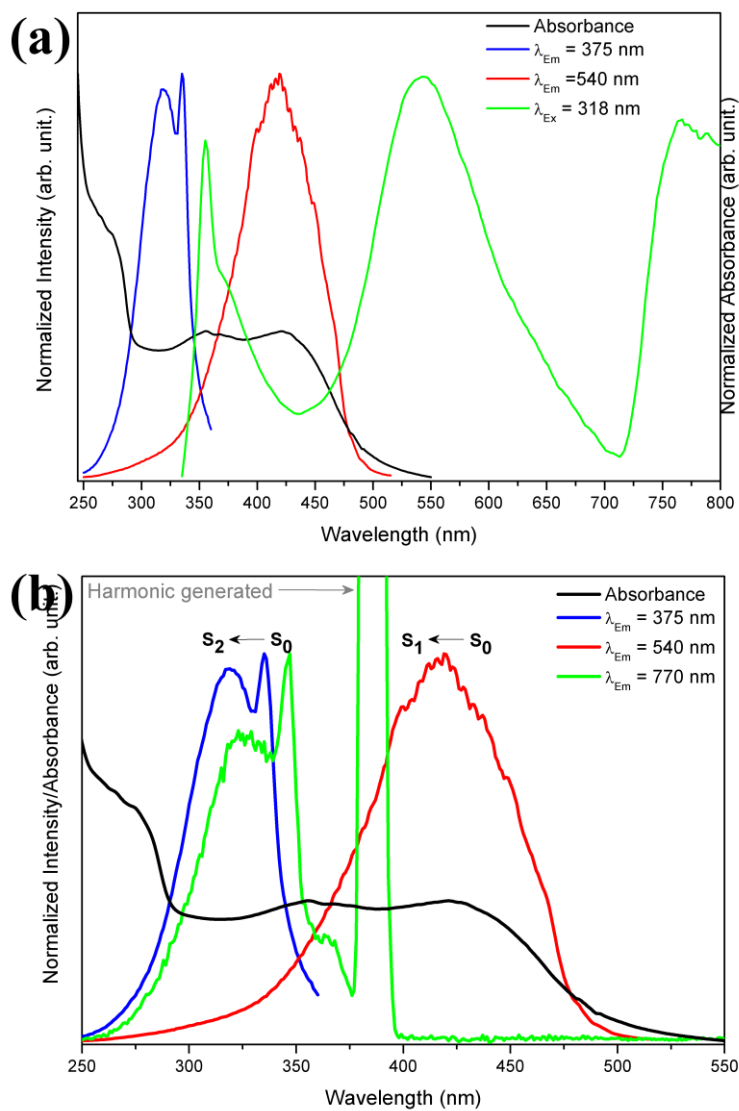
Figure S4: Emission spectrum of CUR in PBS solution with excitation at 318 nm.



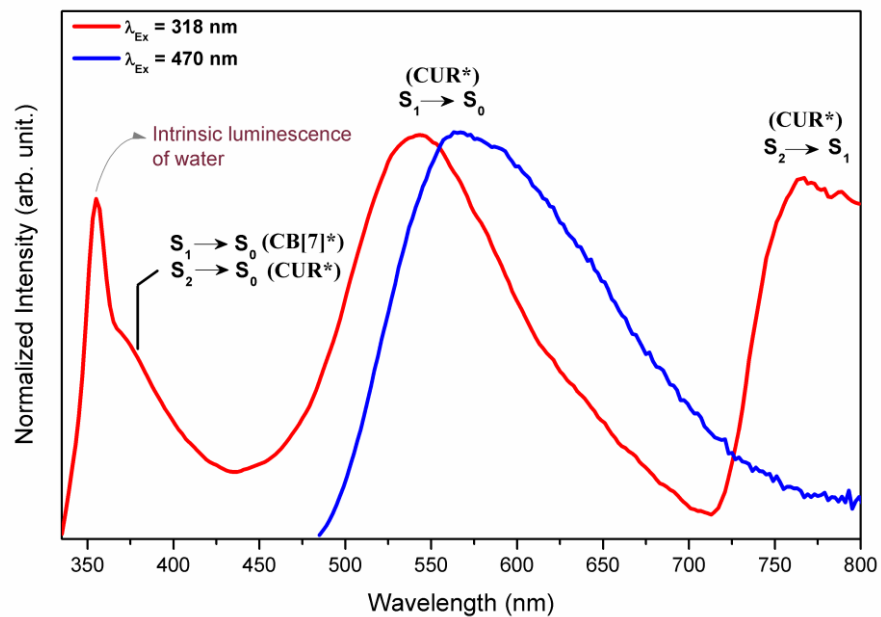
**Figure S5.** Excitation (black line) and Absorption (blue line) spectra of CUR.



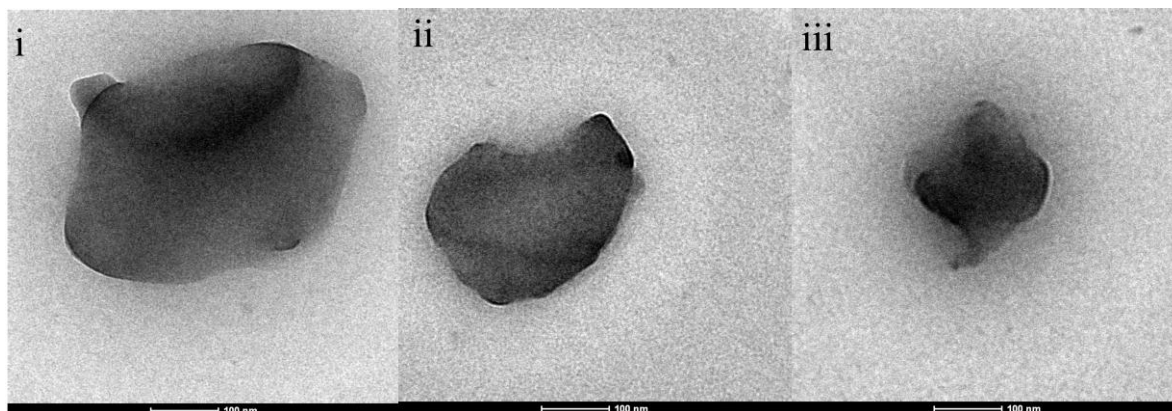
**Figure S6.** Emission (violet line) and absorption (grey line) spectra of CB[7] and CUR, respectively.



**Figure S7.** Excitation, absorption and emission spectra of CUR-CB[7].



**Figure S8.** Emission spectra of CUR-CB[7] in BPS solution (pH = 7.2).



**Figure S9.** TEM image of supramolecular aggregate CUR-CB[7].