

Supporting Information

Encapsulation and Release of Non-fluorescent Crystal Violet Confined in Bile-salt Aggregates

Prachi Sharma^a, Neeraj Sohal^a, Banibrata Maity^{*b}

^aSchool of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology,
Patiala 147004, India.

^bSchool of Chemistry and Biochemistry, Affiliate Faculty-TIET-Virginia Tech Center of
Excellence in Emerging Materials, Thapar Institute of Engineering and Technology,
Patiala-147004, India

Email: banibrata.maity@thapar.edu, baniitchem@gmail.com

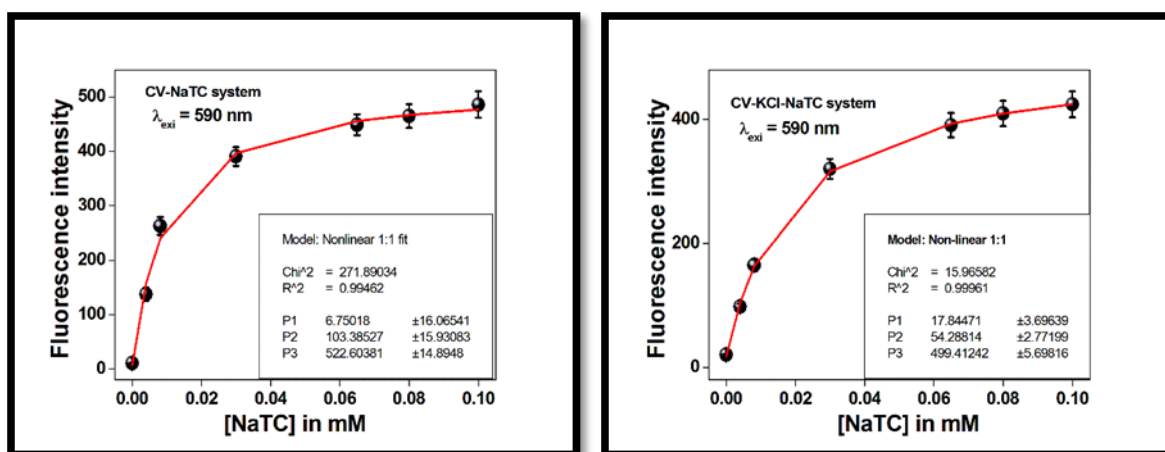


Fig. S1 Excited state binding constant plot of CV-NaTC and CV-KCl-NaTGC at $\lambda_{\text{exi}} = 590 \text{ nm}$.

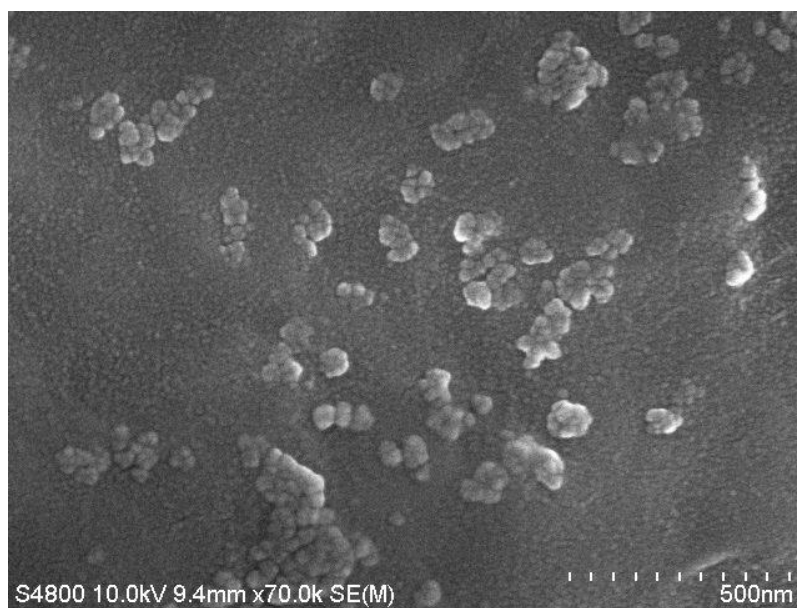


Fig. S2 FESEM image of CV-NaTC complex.

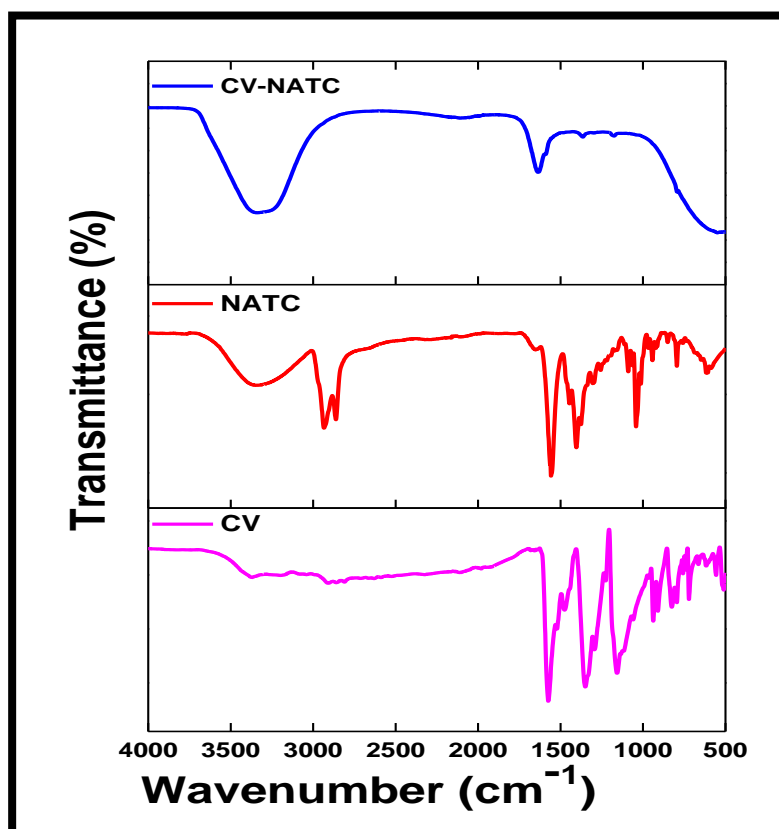


Fig. S3 FTIR spectra of CV, NaTC and CV-NaTC complex.

Table S1 Aggregation number (N_{agg}) of CV in bile-salt system.

Bile-salt [100mM]	Aggregation number (N_{agg}) in CV-bile - KCl system	Aggregation number (N_{agg}) in CV-KCl - bile system
NaC	4	2
NaDC	4	3
NaTC	3	2
NaTGC	3	2