

ELECTRONIC SUPPORTING INFORMATION

pH Dependent Supramolecular Recognition of Dapoxyl Sodium Sulfonate with 2-Hydroxypropyl β -Cyclodextrin: An Application Towards Food-Additive Formulation

*Kaushik Pal, Falguni Chandra,[‡] Suman Mallick,[‡] Apurba L. Koner**

Department of Chemistry, Indian Institute of Science Education and Research Bhopal, Bhopal, India. **Corresponding Author:** * E-mail: akoner@iiserb.ac.in, Fax: +91-755 6692 392; Tel: +91-755 6692 376. **Author information:** [‡]These authors contributed equally.

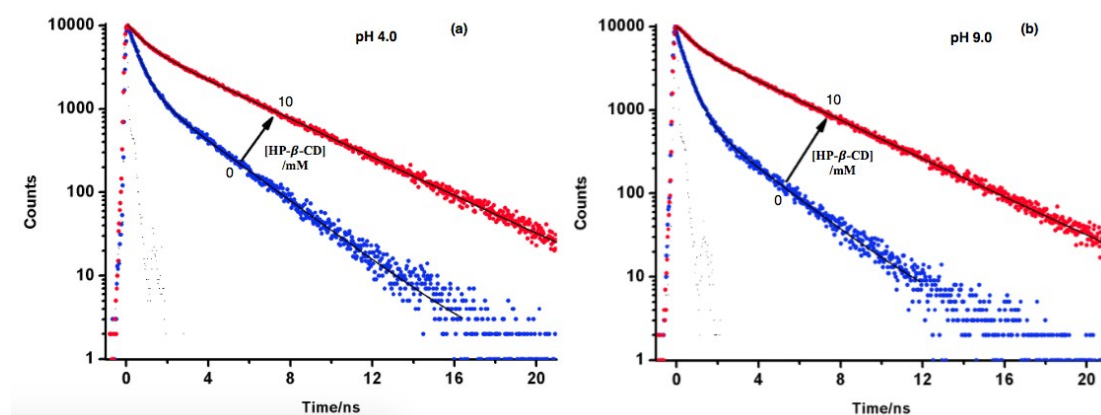


Figure S1. Effect of HP- β -CD encapsulation on fluorescence lifetime decay of DSS at (a) pH 4.0, (b) pH 9.0. Increase in fluorescence lifetime upon complexation using 10 mM HP- β -CD is shown by arrows.

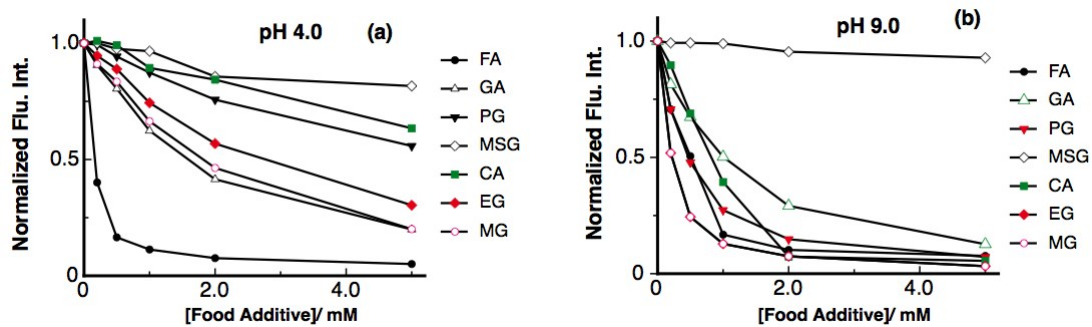


Figure S2. pH dependent displacement assay using food-additives. A change in fluorescence intensity of DSS monitored on addition of FA-*trans*-ferulic acid, GA-gallic acid, CA-*p*-coumaric acid, MSG-monosodium glutamate, PG-propyl gallate, EG-ethyl gallate and MG-methyl gallate ranging concentration from 0-5 mM at (a) pH 4.0, (b) pH 9.0.