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Spectroscopic Studies of Dual Fluorescence in 2-(4-Fluorophenylamino)-5-(2,4-dihydroxybenzeno)-1, 3,4-thiadiazole: Effect of Molecular Aggregation in a Micellar System

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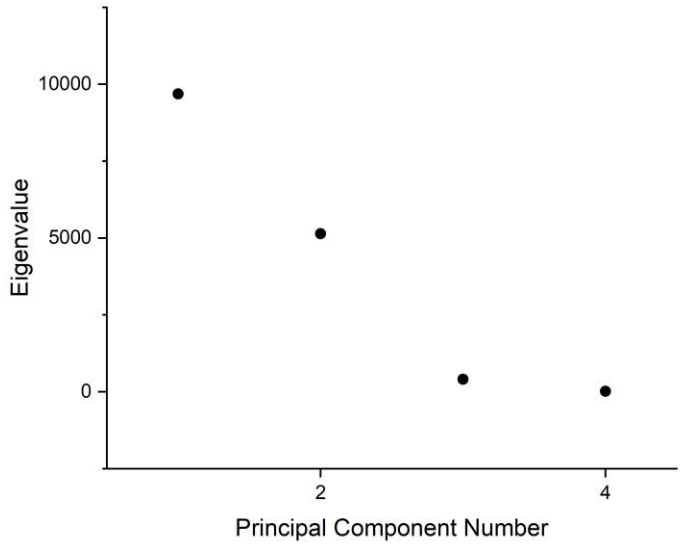
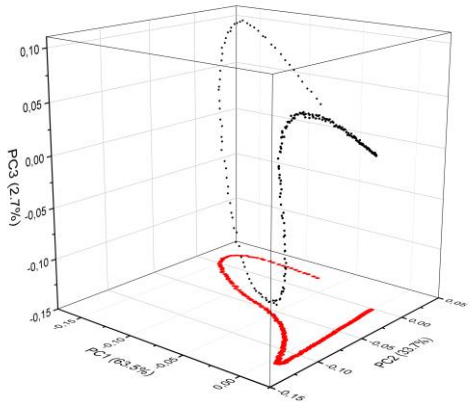


Figure S1. Contribution of eigenvalues with PCs.

(a)



(b)

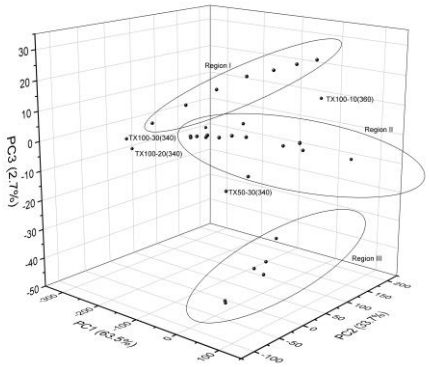


Figure S2. 3D plots (PC x PC2 x PC3) of loading (a) and score (b) from PCA.

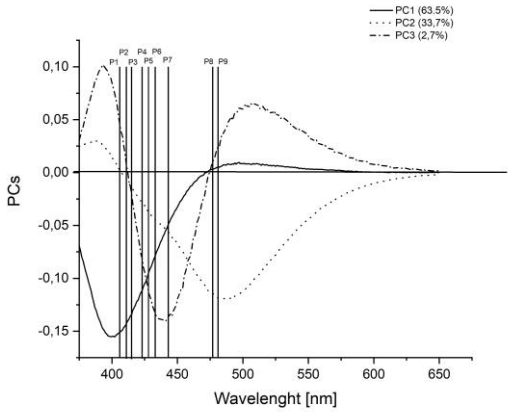


Figure S3. The loading vectors for PCs plotted as a function of wavelength. The plots indicate which spectral shape are associated with variance in the overall signal.

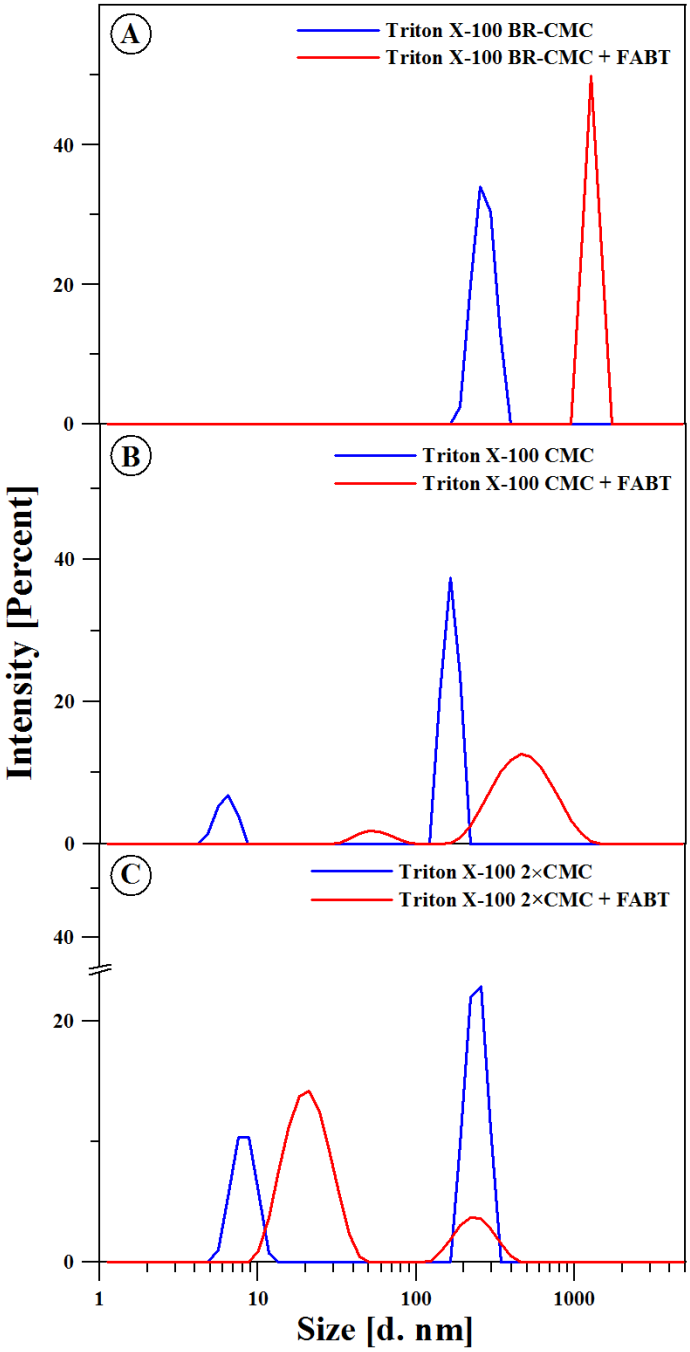


Figure S4. Distribution of DLS intensities measured in PBS buffer solutions of (a) Triton X-100 BR-CMC (blue line), Triton X-100 BR-CMC + FABT (red line) (b) Triton X-100 CMC (blue line), Triton X-100 CMC + FABT (red line) (c) Triton X-100 2×CMC (blue line), Triton X-100 2×CMC + FABT (red line).

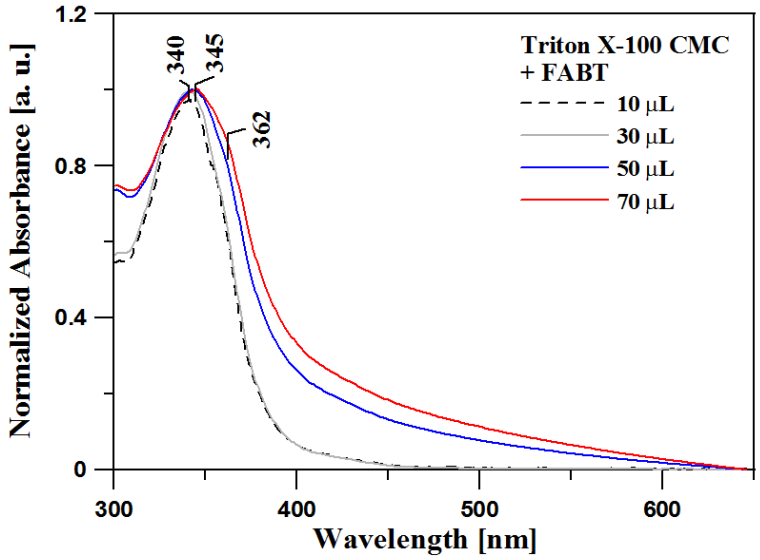


Figure S5. Normalized electronic absorption spectra for various amounts of FABT added in Mt-OH to the system with Triton X-100 detergent in the amount of 50μl per 3 ml of the buffer. The measurements were performed at the temperature of 23 °C.

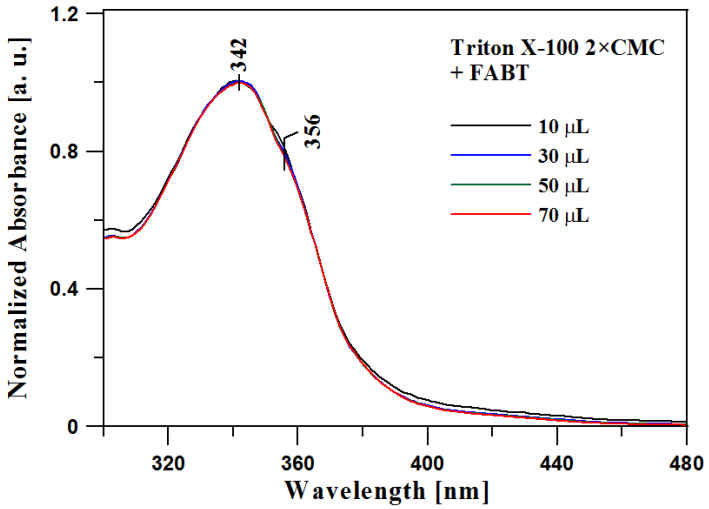


Figure S6. Normalized electronic absorption spectra for various amounts of FABT added in Mt-OH to the system with Triton X-100 detergent in the amount of 100µl per 3 ml of the buffer. The measurements were performed at the temperature of 23 °C.

Table S1. Results of Principal Component Analysis performed on dataset.

Principal Component Number	Eigenvalue	Percentage of Variance (%)	Cumulative (%)
1	9682, 43591	63, 4712	63, 4712
2	5141, 15864	33, 7018	97, 17301
3	406, 41907	2, 6642	99, 8372
4	15, 6595	0, 10265	99, 93985