

# In-situ Preparation of CdTe Quantum Dots Capped with $\alpha$ -cyclodextrin-Epichlorohydrin Polymer: Polymer Influence on the Nanocrystal's Optical Properties

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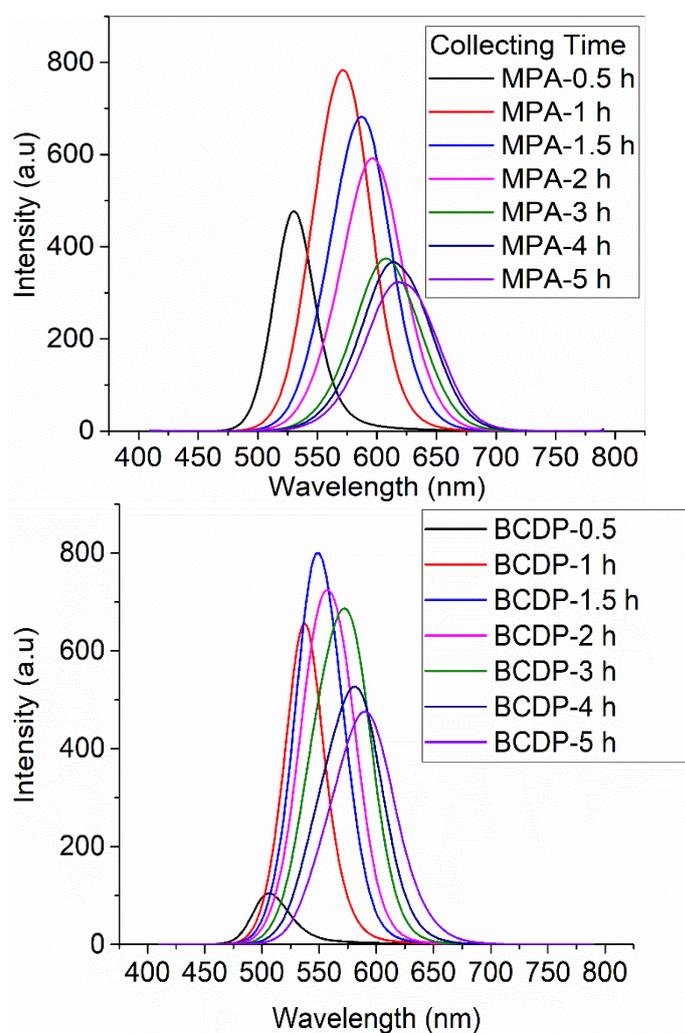
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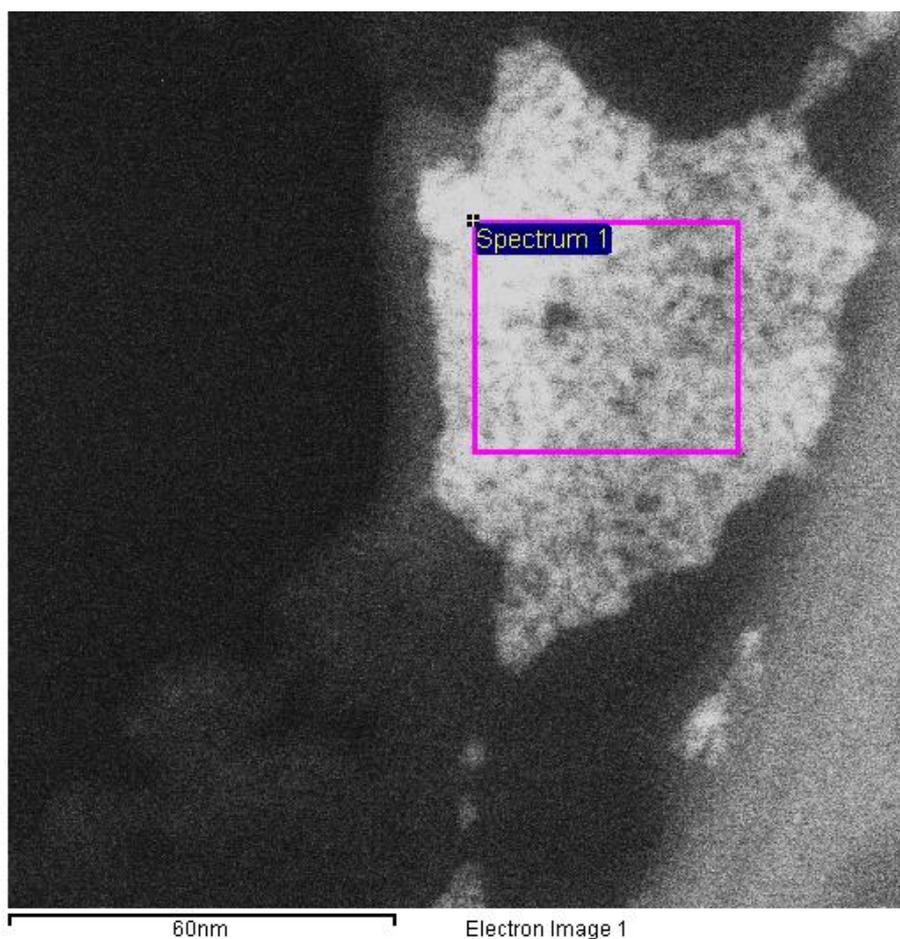
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**Figure. S1.** Fluorescent spectra of samples taken to the reaction at different time of reflux cadmium telluride (CdTe) quantum dots (QDs) prepared in absence (up) and presence (down) of  $\beta$ CDP.



Processing option : All elements analyzed (Normalized). All results are atomic %.

Spectrum	In stats.	C	S	Cd	Te
Spectrum 1	Yes	97.79	0.54	1.22	0.45
Mean		97.79	0.54	1.22	0.45
Std. deviation		0.00	0.00	0.00	0.00
Max.		97.79	0.54	1.22	0.45
Min.		97.79	0.54	1.22	0.45

**Figure. S2.** EDS analysis of CdTe@ mercaptopropionic acid (MPA)@  $\beta$ -Cyclodextrin-epichlorohydrin ( $\beta$ CDP) sample, collected at 90 min. of reflux.