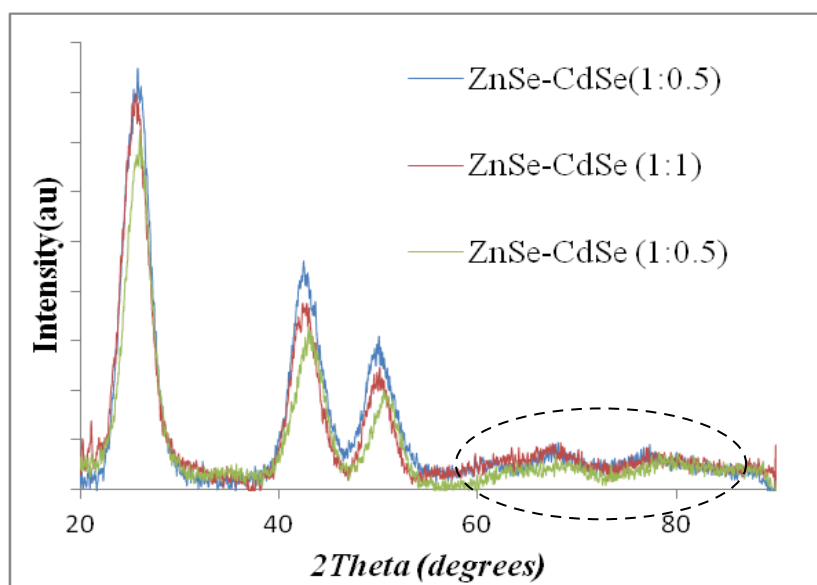
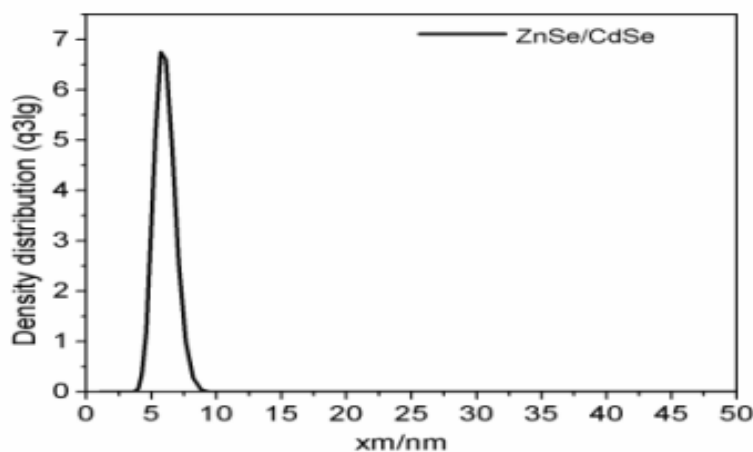


## Supporting Information



**ESI. Figure 1:** XRD spectra of the various as-synthesized ZnSe-CdSe core-shell QDs, The highlighted area shows peaks beyond  $2\theta$  value of  $60^\circ$  often indicates well crystalline nature of the sample.



**ESI. Figure 2:** The particle size distribution data of the the core-shell QDs synthesized with the ratio of (1:1.15) obtained from dyanamic laser scattering technique by an action of Laser scattering of wavelength 632 nm revealed that the tiny core-shell nanostructures were narrowly distributed within 2-6 nm