



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2013_BJAST_3803
Title of the Manuscript:	Effect of Sodium Carboxymethyl Cellulose concentration on the Photophysical Properties of Zinc Sulfide Nanoparticles

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
The paper has been modified properly. I still have following three questions which may be addressed by the author – - In lines 337 to 340 – ‘the most prominent excitation bands at 285 nm and 330 nm and a broad excitation band at 360 – 450 nm. These bands correspond to the excitonic, band-to-band and impurity related excitation wavelengths of ZnS nanocrystals’. I feel that excitation bands at 285 should correspond to band-to-band transition and at larger wavelength, 330 should correspond to excitonic band. - In lines 353-354 – ‘The broadness of emission peaks of all samples synthesized in this work suggests smaller particles size distribution.’ I feel that broadness would suggest larger size distribution. - In Table, for sample S₂ particle size is smallest by EMA and largest by XRD Why?	You are right, appropriate correction is made. You are also right, statement reversed. I have explained this point before. EMA is a function of absorption energy and the energies were obtained from freshly prepared samples while XRD was obtained from the aged samples. Therefore, the aging effect may be the cause.