



**SDI FINAL EVALUATION FORM 1.1**

**PART 1:**

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	Ms_PSIJ_25796
Title of the Manuscript:	Composition dependent structural and optical properties of nanocrystallites ZnxCd1-xS
Type of Article	Original Research Article

**PART 2:**

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
The authors adjusted Band gap of CdS, but I also believe that they have to adjust the band gap of ZnS, Zn-CdS mixtures. It is un realistic this very high value (4.67 eV) for ZnS and greater than 3.5 eV for mixtures. The absorbance below 300 is somewhat contain some interference from the substrate, and it will be safe if the authors consider the tangent that leads to low band gap. Otherwise how they justify the absorbance in the range 300-400 nm ? . Their value are not closer to that mentioned in ref 31 (4.2 eV), and this is not a n evidence that is true even in nanoparticles size closer to Boher radius . I suggest that they put realistic band gaps for ZnS and its mixture with CdS, after which this article can be accepted without further review.	

**Reviewer Details:**

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