

### **Editor's Comment:**

I accept the manuscript for publication in the BP International.

Considering the reviewers comments and authors corrections, we can publish this manuscript.

The reasons are as follows:

1- One reviewer gives comment such "This manuscript holds significant importance for the scientific community as it provides a detailed theoretical and computational analysis of quantum confinement regimes in ZnO, CdS, and CdSe quantum dots"

2- One reviewer gives comment such as "This article investigates the confinement regime in colloidal spherical zinc oxide (ZnO), cadmium sulphide (CdS) and Cadmium selenide quantum dots through a computational simulation and theoretical analysis.

The article provides a better understanding the subtleties within the confinement regime which is crucial for the synthesis and optimisation of nanostructures.

The results of this study offer insights into their potential applications in field effect transistors and optoelectronic devices".

3- One reviewer gives comment such as "This manuscript is a significant contribution to the scientific community, particularly in the field of nanoscience and quantum materials. It offers valuable insights into the confinement regimes of zinc oxide (ZnO), cadmium sulphide (CdS), and cadmium selenide (CdSe) quantum dots, which are critical for optimizing their optical and electronic properties."

4- One reviewer gives comment such as "Accept after minor revision"

5- Two reviewers give comment such as "Accept after major revision"

According to the comments, the authors have corrected the manuscript carefully. Therefore, the manuscript has enough value for publication in the BP International.

### **Editor's Details:**

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