



**SDI Review Form 1.6**

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	2015_PSIJ_17116
Title of the Manuscript:	Growth of CdS nanoparticles to fabricate Schottky barrier
Type of the Article	Original Research Article

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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**PART 1: Review Comments**

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Compulsory</b> REVISION comments	<p><b>There are lots of papers based on CdS nanoparticles.</b></p> <p><b>What is the difference of your study from the literature? Compare the literature data and highlight what is the novelty in this paper.</b></p> <p><b>-Revise Figure 3, XRD, There are lots of noisy in the XRD spectrum, remove the impurities.</b></p> <p><b>-Normalized the Absorption Spectrum in Fig. 4.</b></p> <p><b>-Revise the Figure 5, and explain the band gap determination.</b></p> <p><b>-Normalize the PL spectra.</b></p> <p><b>I would like to see after revision, please highlight the novelty, and explain the experimental data.</b></p>	<p>Thank you very much for your comments.</p> <p>The manuscript is modified according to your instruction and highlighted</p> <p>1. Previous works of researchers are reviewed. The novelty of the work is included in the introduction section and highlighted. (line 31-34)</p> <p>The Schottky barriers of CdS with different metals have been studied by researchers [11-13].</p> <p>Proper modification of surface states of semiconducting nanoparticles is still a challenge for researchers. In this work an effort has been made to grow CdS nanoparticles by a very cost effective and controlled way. The effect of nanoparticles surface on the formation of barrier is investigated to modify the Schottky device based on CdS nanoparticles.</p> <p>2. Figure 3 is revised .Noise in the XRD pattern is removed and smoothed.</p> <p>3. Absorption spectrum is normalised. And new figure is inserted fig4.</p> <p>4. Figure 5 is revised .The technique of</p>



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		band gap determination is given briefly (line91-93). 5. PL spectrum is normalised. 6 .Experimental data is explained.  Thanking you
<b><u>Minor</u></b> REVISION comments		
<b><u>Optional/General</u></b> comments		