



**SDI Review Form 1.6**

**PART 1:**

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	<b>2013_PSIJ_4768</b>
Title of the Manuscript:	<b>Structural and Optical Properties of Polymer Blend Nanocomposites Based on Poly (vinyl acetate-co-vinyl alcohol)/TiO<sub>2</sub> Nanoparticles</b>
Type of the Article	<b>Research paper</b>

**General guideline for Peer Review process is available in this link:**

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

- This form has total 7 parts. Kindly note that you should use all the parts of this review form.



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**PART 2: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<b><u>Compulsory</u></b> REVISION comments	<p>This paper reports on the optical performance of polymer blend nanocomposites. It contains morphological and characterization data.though this work is useful, in my opinion, a major revision is needed before it can be accepted for publication.</p> <ol style="list-style-type: none"> <li>1. The letters in Figures were blurry, please retype with right font and size.</li> <li>2. All SEM images should include clear scale bars.</li> <li>3. SEM images are not clearly enough to show the morphology of polymer blend nanocomposites. At least one more magnification SEM image is needed to show the morphology of polymer blend nanocomposites.</li> <li>4. In Fig. 4 XRD patterns of polymer blend nanocomposites, each peak need to be marked clearly.</li> </ol>	



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	<p>5. The authors claimed that the sample with 4% TiO<sub>2</sub> content displayed higher percentage crystallinity compared to other samples, but in Fig.4, the XRD patterns result could not conformed to this opinion.</p> <p>6. In Fig.6, with the increasing of TiO<sub>2</sub> containing 1% to 3%, the absorption edge red shift, why was observed the absorption edge blue-shift of the optical absorption edge from the TiO<sub>2</sub> containing 4% ?</p>	
<b><u>Minor</u></b> REVISION comments		
<b><u>Optional/General</u></b> comments		

**Reviewer Details:**

Name:	<b>Anonymous</b>
Department, University & Country	<b>Qinghai University for Nationalities, China</b>