



SDI Review Form 1.6

PART 1:

Journal Name:	Physical Science International Journal
Manuscript Number:	2013_PSIJ_4768
Title of the Manuscript:	Structural and Optical Properties of Polymer Blend Nanocomposites Based on Poly (vinyl acetate-co-vinyl alcohol)/TiO₂ Nanoparticles
Type of the Article	Research paper

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

	Reviewer's comment	Author's comment <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>
<u>Compulsory</u> REVISION comments	<ol style="list-style-type: none"> 1. What do the authors mean by the conventional polymer composites as stated in the last sentence of the first paragraph on page 2? 2. The first paragraph on page 4 should appear after the second paragraph. 3. The x-axis labelling in Figure 2 and 3 representing the wavenumbers are very unclear. Please improve them. 4. The second paragraph on page 6 should appear after Figure 4 and before Figure 5. 5. Explain why the crystallite size obtained by XRD is much smaller than the particle size obtained by SEM. 6. On page 6, it was found that "(electronic transitions/excitations) of the polymer nanocomposites" is incomplete sentence. Please complete it. 7. No need to mention the second sentence on page 7 since it already appears at other places, in the abstract and and material and methods section. 	<ol style="list-style-type: none"> 1. Conventional polymer composites implied polymers containing micro-particles as fillers. 2. the comments made in 2,3 and 4 have been effected. 5. This is so because XRD works well in the nanometer regime. 6. The sentence has been recast and highlighted in yellow.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		