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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

<u>General guideline for Peer Review process is available in this link:</u> (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. ٠

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PART 2: 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
Compulsory REVISION comments	The manuscript entitled "Structural and Ontical	should write his/her jeeaback herej
<u>compulsory</u> ALVISION comments	Properties of Polymer Blend Nanocomposites	
	Based on Poly (vinyl acetate.co.vinyl	
	alcohol)/TiO2 Nanonarticles" has been reviewed	
	carefully and it has been concluded that this paper	
	presents interesting information. It is	
	recommended to accept the paper for publication	
	in Physical Review & Research International	
	journal with minor changes.	
Minor REVISION comments	Comments to the Authors :	
	- ABSTRACT	
	Line 3 ·	
	Write: The Scanning Electron Microscope and	
	Energy Dispersive X-Ray Spectrometer	
	(SEM/EDS)	
	Line 5 :	
	Write: The composites were characterized by	
	Fourier Transform Infrared (FTIR), SEM, X-ray	
	diffraction (XRD) and ultraviolet (UV) and visible	
	(Vis) Spectrophotometry.	
	<u>Line 15 :</u>	
	Write: the resonant coupling between UV-Vis	
	light	
	Line 18:	

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Define : NPs content	
 Uncertainties data to review: 	
<u>Line 200</u> :	
$(2\theta = 21.9147^{\circ}, 22.4579, 22.78578$ and 22.8024	
<u>Line 272</u> :	
A much significant absorbance of 3.00 %	
(2.997%), the 272 maximum,	
<u>Line 264</u> :	
1.39% (1.3 85 %)	
<u>Line 274</u> :	
2.71 % (2.7 08) at 800nm.	
The same for the values, see the lines :	
196, 197, 201, 281, 282	
- uncertainties data to review:	
The average crystallite size corresponding to	
structural order of the pattern determined from	
integral breadth of the peaks according to	
Scherrer's equation [28] have values ranging from	
1687 .93 ±290nm to 4589 .04 ±130nm	
- <u>Figures</u>	
- The authors have to give the figures which the	
scales are readable; The scales of all figures are	
too small and difficult to read.	
Deferences	
- The authors have to write all references in the	
Physical Review & Research International journal	
format	
ioiiiat.	

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Optional/General comments	- I find that the values of some uncertainties are	
	very small us (see the line 312). I would like to	
	know how the authors have calculated these	
	uncertainties data.	
	- Why the authors have used all these different	
	spectroscopy techniques?	
	What does each spectroscopic technique bring to	
	this study?	

Reviewer Details:

Name:	Anonymous
Department, University & Country	Ibn Tofail University, Morocco