Review Form 1.7

Journal Name:	**Asian Journal of Research and Reviews in Physics**
Manuscript Number:	**Ms_AJR2P_106351**
Title of the Manuscript:	**OPTICAL PROPERTIES OF MONAZITE NANOPARTICLES SYNTHESIZED VIA BALL MILLING**
Type of the Article	**Original Research Article**

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)*
Compulsory REVISION comments **1. Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) **2. Is the title of the article suitable?** (If not please suggest an alternative title) **3. Is the abstract of the article comprehensive?** **4. Are subsections and structure of the manuscript appropriate?** **5. Do you think the manuscript is scientifically correct?** **6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	**1- It can be important after adding more information—such as those in the optional comments section.** **2 – The word "synthesized" is inappropriate; perhaps prepared is more appropriate.** **3 – Yes.** **4 – Yes.** **5 – It is lacking some experiments. Therefore, results are lacking to show the ball milling effect.** **6- The manuscript can be accepted for publication after it is improved as suggested.**	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	**Yes**	
Optional/General comments	**1 - Improve the Figure 1 title to make it more informative. Also, it is necessary to show the XRD pattern for the sample after the ball milling process.** **2 - It is necessary to present the data from the sample analysis before the ball milling process. So, observing the properties change due to the ball milling will be possible.** **3 - What is the time of ball milling effect over these properties?** **4 - What is the effect of the defects in the particle surface due to the amorphization process over all these properties?** **5 – The band gap energy determined in Figure 11 and Figure 12 is not correct. Why the red line is tangent precisely at that point? Please observe the intercept of the red line extrapolation.**	

Review Form 1.7

PART 2:

	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)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

Name:	**Antoninho Valentini**
Department, University & Country	**Universidade Federal do Ceará, Brazil**