

### Review Form 3

Journal Name:	<a href="#">Asian Journal of Research and Reviews in Physics</a>
Manuscript Number:	Ms_AJR2P_130621
Title of the Manuscript:	Optical and Structural Properties of Rutile Nanoparticles Prepared Via Ball Milling
Type of the Article	

#### PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.		
Is the title of the article suitable? (If not please suggest an alternative title)		
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.		
Is the manuscript scientifically, correct? Please write here.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		
Is the language/English quality of the article suitable for scholarly communications?		
<b>Optional/General</b> comments	<ol style="list-style-type: none"> <li>The paper presents a detailed study of the structural and optical properties of Rutile nanoparticles synthesized using ball milling. The topic is highly relevant given the growing interest in nanoparticles for photovoltaic and optoelectronic applications. However, some areas require refinement to enhance clarity and depth.</li> <li>The abstract is comprehensive but could be more concise.</li> <li>Provide more information on the milling intervals and their influence on temperature control, as it may affect nanoparticle characteristics.</li> <li>The methods for XRD and UV-Vis spectroscopy are well-documented, but adding a schematic or flow diagram of the process might improve readability.</li> <li>Absorption and Transmittance: The results are presented clearly; however, compare your findings with similar studies to contextualize their significance.</li> <li>Future Work: Mention specific areas for future research, such as exploring other synthesis techniques or testing these nanoparticles in device prototypes.</li> </ol> <p>There are minor grammatical errors (e.g., "bang gap" instead of "bandgap" in the conclusion). Proofreading is recommended.</p>	

**Review Form 3**

**PART 2:**

	<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>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

Name:	<b>Zaid H. Mahmoud</b>
Department, University & Country	<b>University of Diyala, Iraq</b>