

Review Form 2

Book Name:	Innovative Solutions: A Systematic Approach Towards Sustainable Future
Manuscript Number:	Ms_BPR_ 3724.8
Title of the Manuscript:	Synthesis and characterizations of Chromium oxide nanoparticles for the photocatalytic degradation
Type of the Article	Complete Book chapter

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? 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.		
Are subsections and structure of the manuscript appropriate?		
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments	<div>[1]. There exists a lot of work on Cr2O3 NPs nanoparticles.</div> <div>[2]. Provide the proof for the particle size that is calculated.</div> <div>[3]. What is the magnification range of the SEM images discussed?</div> <div>[4]. Discuss the mechanism of the photocatalytic activity of the Cr2O3 NPs.</div> <div>[5]. What is the mechanism for the formation of Cr2O3 NPs.</div> <div>[6]. Is there any color change in the synthesis of the nanoparticles?</div> <div>[7]. How about the band gap in Cr2O3 NPs?</div> <div>[8]. Discuss the various factors affecting the degradation efficiency like pH, Catalyst doses and concentration of Dye</div> <div>[9]. the mechanism of Cr₂O₃ formation can be illustrated in a scheme or figure</div>	

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	<p>[10]. Research article still lacking recent literature authors should read below recent relevant references and consider them for citation.</p> <p>https://doi.org/10.1080/03067319.2024.2344707.</p> <p>https://doi.org/10.1016/j.cplett.2024.141524.</p> <p>https://doi.org/10.1007/s11696-024-03669-y.</p> <p>https://doi.org/10.1557/s43580-023-00715-x.</p> <p>https://doi.org/10.1007/s42247-023-00612-x.</p>	
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PART 2:

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

Reviewer Details:

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