

Review Form 1.7

Journal Name:	Chemical Science International Journal
Manuscript Number:	Ms_CSIJ_114159
Title of the Manuscript:	SYNTHESIS AND CHARACTERIZATION OF ALKYD RESIN IMMERSSED IN SILVER-NANOPARTICLE DERIVED FROM COTTON SEED OIL
Type of the Article	

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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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Yes. The combination of nano particles and the cotton seed oil reported better results in preparation of resins which are useful in the coating industry. These combinations are helpful to the sustainable development in future trends.</p> <p>Yes Suitable</p> <p>Yes</p> <p>Need to incorporate paragraph nos. Tables and Figures must be centered. Need to follow the guidelines of the paper and prepare accordingly.</p> <p>May be</p> <p>References: Suggested to include recent references, only 2 to 3 references were 2021, remaining all are from 2007, 2013, 2016, 2018, 2019 etc.</p> <ol style="list-style-type: none"> The similarity index for the manuscript was reported as 26%. Using "Turtin" Software. Suggested to reduce the similarity. Suggested to check Grammar and sentences. For Instance: The yield of <i>Gossypium hirsutum</i> seed oil (GHSO) extract was "gotten" as 26.67%. Suggested to Check the grammar. Also in conclusion, the same word "gotten" was used. Suggestion: instead of gotten, can be replaced with "achieved" Maintain paragraph nos., Figure nos. and Table nos. for whole manuscript Seed oil extraction: The <i>Gossypium hirsutum</i> (Cotton seed) oil was extracted via soxhlet extraction. One hundred grams (100 g) of the ground cotton seed was weighed and the oil extracted using n-hexane What is the ratio fixed to extract oil. (dry powder: solvent)???? What is the extraction time to extract oil? What is the equation used to estimate the yield? Explain? The figures need a major revision. <p>plate1: showing the solution mixture of (a) silver benzoate salt, (b) freshly prepared alkyd, and (c) alkyd resin immersed nanoparticle respectively what is plate 1?? Instead of giving Figure 1???</p> <p>In the manuscript Figure 1 to Figure 6: Suggested to improve the picture quality; Need very high modification in figure improvement</p> <p>SEM, FTIR figures – clarity is missing – must use a good and brighten pictures adjusting the pixels</p>	

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	6. UV-visible – Suggested bold letters 7. Conclusion: Appears like general statement. Suggested to improvise.	
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	Suitable	
Optional/General comments	NIL	

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

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