



J. K. Press

Journal Name:	<u>Journal of Applied Chemical Science International</u>
Manuscript Number:	Ms_JACSI_11864
Title of the Manuscript:	Synthesis and Physico-Mechanical characterization of Polystyrene from Uvaria Chamae Seed Oil (UCSO) used as a Plasticizers
Type of the Article	Original Research Article



1: Review Comments

	Reviewer's comment	Author's feedback
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none">1. Is the manuscript important for the scientific community? (Please write a 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 suggestions for additional references, please mention them in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none">1. Your decision. As Oil characterization is already reported (10.33003/fjs-2023-0701-1305), Plasticizing characteristics, and the way of work is novel but every oil has plasticizing characteristics, nothing new.2. PS is not from UCSO, It is blended or modified3. Abstract has result and it is compact. Oil content should be represent in “%” and @Temperature should be mentioned in specific gravity.4. Need some minor improvement in structure, eg., Section 2.1 Methanol should be methanol, Sec 3.2. A graphical representation of Table 2 is more catchy.5. Yes, but few reported value is contradictory (mention below)6. OK	
<p>Minor REVISION comments</p> <ol style="list-style-type: none">1. Is the language/English quality of the article suitable for scholarly communications?	<ol style="list-style-type: none">1. Yes.	



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<p>Optional comments</p>	<p>Some major and minor correction is needed to reach a good quality</p> <ol style="list-style-type: none">1. GC analysis of UCS oil for Fatty acid composition to explain iodine value, sap value.2. Sec 2.4 to 2.8 is unnecessary, mentioning a standard method name is enough3. In Table 1, units of material quantity should be mentioned.4. The scientific name should be written in <i>Italic</i>5. Sec 3.1- mention oil content in Dry or Wet basis6. Oil content of groundnut (10.54%) and the iodine value of soybean oil (73.02) are different from other research reports. The oil content of groundnut is high and the iodine value of soyabean is generally more than 110. Avoid this data.7. The title is "Synthesis and Physico-Mechanical Characterization of Polystyrene from Uvaria Chamae Seed Oil (UCSO) used as a Plasticizers", but the abstract says PS was blended with UCSO, so a change in title is required8. Abstract has results and it is compact. Oil content should be represented in "%" and @Temperature should be mentioned in specific gravity.9. Need some minor improvement in structure, eg., Section 2.1 Methanol should be methanol....., Sec 3.2. A graphical representation of Table 2 is more catchy.	
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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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