

## Review Form 1.7

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_100027
Title of the Manuscript:	Impact of ohmic heating on electrical conductivity and specific heat of black cumin seed slurry
Type of the Article	Original Research Article

### General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalcjust.com/index.php/CJAST/editorial-policy> )

### 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><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>1. The manuscript provides information about electric conductivity and specific heat of the black cumin seed slurry during ohmic heating, these would be valuable for complete study of cumin seed oil extraction.</p> <p>2. Yes, the title is suitable and fit the manuscript content.</p> <p>3. The abstract is well written.</p> <p>4. The subsections of the manuscript are appropriate.</p> <p>5. The manuscript is scientifically correct but insufficient study, the paper presents electric and heat measurement without proving the performance of these parameters on extraction yield of cumin seed oil.</p> <p>6. The references are sufficient and recent, it would be great to add more recent ones (2023)</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>1. Acceptable English quality</p>	
<p><b>Optional/General</b> comments</p>	<p>The manuscript is scientifically correct but insufficient study, the paper presents electric and heat measurement without proving the performance of these parameters on extraction yield of cumin seed oil. It is highly recommended to prove the effect of the ohmic heating on cumin seeds valorization. The author said, "Due to applied electric field strength the extraction of oil rate enhanced with less damage of cells due to having electroporation mechanics involved in the ohmic heating process". They should prove that.</p>	

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**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>	

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