

### Review Form 3

Journal Name:	<b>Chemical Science International Journal</b>
Manuscript Number:	<b>Ms_CSIJ_120636</b>
Title of the Manuscript:	<b>FURAN COMPOUNDS IN ULTRASONICATION PROCESSED CHICKEN</b>
Type of the Article	<b>Review Article</b>

#### **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://r1.reviewerhub.org/general-editorial-policy/>

#### **Important Policies regarding Peer Review**

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

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#### PART 1: Review Comments

<b>Compulsory</b> REVISION comments	Reviewer's comment	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.	The manuscript highlights an important aspect of food chemistry: the side products due to Maillard reaction during processing. It shows optimised ultrasonication can be a good alternative in controlling harmful Furan derivative production during thermal processing of food especially Chicken. It would be good to see if the article focuses more on the optimised ultrasonication treatment (with illustrative figures and/ graphical representation) that actually been found in earlier studies.	
Is the title of the article suitable? (If not please suggest an alternative title)	No. An alternative may be “ Ultrasonication: a better alternative for food processing to prevent the formation of harmful Furan compounds through Maillard type reactions”	
Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.	Yes.	
Are subsections and structure of the manuscript appropriate?	Yes. But graphical representation of results of the previous studies/ (Tabular representation to summarise ) should be added showing the conditions of preservations and harmful compounds formed	
Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound? Minimum 3-4 sentences may be required for this part.	Processed foods been widely accepted in urbanised lifestyle due to ease of living. In doing so, the harmful chemicals which have been generated during food processing have been found increasingly causing health hazards leading to cancer in extreme cases. Maillard reaction during thermal processing is one of the important types of reaction which causes harmful Furan compounds in processed chicken. Ultrasonication if judiciously used, can be found a good choice to avoid Maillard reaction ( however it depends upon the factors of ultrasonication). This review should focus more and highlight the condition which helps to discard Furan type of compound production.	
Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. =	References look sufficient till date.	
Minor REVISION comments  Is language/English quality of the article suitable for scholarly communications?	The manuscript is well written. Except few minor typos. “Ultrasound processsed chicken liver protein hydrolysate was morr...” should be “more”	
Optional/General comments	May be accepted with revision.	

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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>	

#### **Reviewer Details:**

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