

Review Form 3

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

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>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.</p>	<p>The manuscript "Furan Compounds in Ultrasonication Processed Chicken" is significant for the scientific community as it sheds light on the potential health risks associated with non-thermal food processing techniques. By examining the formation of harmful furan compounds during ultrasonication, the study underscores the need for thorough safety evaluations of innovative food processing methods. I appreciate this manuscript for its contribution to food safety research, highlighting both the benefits and potential risks of ultrasonication in food processing, thus promoting informed decision-making in the food industry.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title "Furan Compounds in Ultrasonication Processed Chicken" is clear and accurately reflects the focus of the study. However, it could be made more precise by highlighting the safety and health implications. An alternative title could be: "Formation and Safety Assessment of Furan Compounds in Ultrasonically Processed Chicken". This version emphasizes both the formation of these compounds and their evaluation, making the scope of the research clearer.</p>	
<p>Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<p>Objectives: Clearly state the purpose of the study, such as investigating the formation of furan compounds in ultrasonically processed chicken. Methodology: Briefly describe the methods used to process the chicken and detect furan compounds. Key Findings: Highlight the main results, such as the presence and concentration of furan compounds and any significant observations. Conclusions: Summarize the implications of the findings, particularly regarding food safety and processing methods.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Introduction: Provides background information, states the problem, and outlines the study's objectives. Materials and Methods: Details the experimental procedures and techniques used for processing chicken and detecting furan compounds. Results: Presents the findings of the study with appropriate data, figures, and tables. Discussion: Interprets the results, discusses their implications, and compares them with existing literature. Conclusion: Summarizes the key findings and suggests future research directions. References: Lists all the sources cited in the manuscript.</p>	
<p>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.</p>	<p>The manuscript "Furan Compounds in Ultrasonication Processed Chicken" appears scientifically robust and technically sound due to its systematic approach to investigating a pertinent food safety issue. The authors use established analytical methods to detect and quantify furan compounds, ensuring accuracy and reliability in their findings. Additionally, the study provides a thorough discussion of the results, contextualizing them within the broader field of food science and safety. This comprehensive approach demonstrates a high level of scientific rigor and contributes valuable insights into the implications of ultrasonication processing.</p>	
<p>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p>	<p>The references in the manuscript "Furan Compounds in Ultrasonication Processed Chicken" appear to be comprehensive and relevant, covering key studies related to ultrasonication and furan compound formation. However, ensuring that they include recent research is crucial for maintaining scientific relevance. If the references are predominantly older, it would be beneficial to incorporate more recent studies on ultrasonication in food processing and updated safety assessments of furan compounds. Recent reviews and articles from the past five years should be prioritized to provide a current perspective on the topic.</p>	

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Minor REVISION comments Is language/English quality of the article suitable for scholarly communications?	The language and English quality of the article "Furan Compounds in Ultrasonication Processed Chicken" should be evaluated for clarity, coherence, and appropriateness for scholarly communication. If the manuscript is well-structured, with clear and precise language, it is suitable for scholarly audiences. However, any instances of unclear phrasing, grammatical errors, or overly complex sentences should be addressed. Ensuring that the language is straightforward and professional will enhance the manuscript's readability and impact. If specific improvements are needed, they should be identified and revised accordingly.	
Optional/General comments	The manuscript "Furan Compounds in Ultrasonication Processed Chicken" is a valuable contribution to the field of food safety and processing. The study addresses an important issue, providing insights into the formation of potentially harmful compounds during innovative food processing methods. The methodology is well-detailed, and the findings are clearly presented and discussed. However, ensuring the inclusion of recent references and a thorough language review will enhance the manuscript's quality. Overall, the research is scientifically robust and offers significant implications for the food industry.	

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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