

### Review Form 3

Journal Name:	<a href="#">Journal of Scientific Research and Reports</a>
Manuscript Number:	Ms_JSRR_127740
Title of the Manuscript:	ULTRASOUND ASSISTED HYBRID TECHNOLOGIES FOR EXTRACTION OF BIOACTIVE COMPOUNDS
Type of the Article	Review Article

#### **General guidelines for the 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 guidelines for the 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/>

Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

### Review Form 3

#### PART 1: Comments

	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript comprehensively explores the potential of ultrasound-assisted hybrid technologies for the extraction of bioactive compounds. Furthermore, this detailed review paper can help for future research in developing more effective extraction processes. This manuscript has significant importance to the scientific community, particularly for researchers working in novel extraction methods and non-thermal technologies, a critical area of research in food science, pharmaceuticals and nutraceuticals.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title of the article is suitable to its content and the key focus areas of the manuscript.	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract is comprehensive and effectively summarizes the content of the review. However, adding few lines to explain how ultrasound assists other technologies in the extraction process would enhance clarity about the paper and help readers quickly grasp the synergistic role of ultrasound in the discussed hybrid technologies.	
Is the manuscript scientifically, correct? Please write here.	The manuscript appears to be scientifically accurate as it provides a well-studied and detailed review of ultrasound-assisted hybrid technologies for the extraction of bioactive compounds. The given information is supported by relevant literature.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	
Is the language/English quality of the article suitable for scholarly communications?	The language and English quality of the article are suitable for scholarly communication.	
<u>Optional/General</u> comments	<p>1. As pulsed electric field-assisted extraction is not discussed in detail within the manuscript, it would be more appropriate to remove from the introduction. This would prevent any potential confusion for readers.</p> <p>2. Remove the comma before the word respectively. (Dash <i>et al.</i> (2021) reported maximum oil yield of 29.16%, 32.7%, and 36.75% obtained for solvent to solid ratio of 5:1, 17.5:1, and 30:1, respectively.)</p> <p>3. Change to plural verb (These mechanisms enhances the permeability within plant cell wall matrix, promoting the leakage of intracellular bioactive compounds.)</p> <p>4. Italicize <i>et al</i> in section 4.5 (eg. Soares <i>et al.</i>, 2018)</p> <p>5. Italicize Scientific names in section 4.5 (eg. <i>Iberis amara</i>, <i>Cosmos sulphureus</i>)</p>	

#### 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?	(If yes, Kindly please write down the ethical issues here in details)	

#### Reviewer Details:

Name:	Akash Kusum Maiti
Department, University & Country	Thangal Kunju Musaliar Institute of Technology, India