

Review Form 3

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_125905
Title of the Manuscript:	Microbial polysaccharide in food industry
Type of the Article	Review Article

Review Form 3

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>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.		
Is the title of the article suitable? (If not please suggest an alternative title)		
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.		
Are subsections and structure of the manuscript appropriate?		
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :		

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<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p><u>Optional/General</u> comments</p>	<p>The manuscript discusses the role of microbial polysaccharides in various industries, particularly the food sector, highlighting their extraction, purification, and functional properties. Microbial polysaccharides, such as dextran, xanthan, and alginic acid, are used as thickeners, stabilizers, and texturizers. The review compares microbial polysaccharides with plant and animal-based alternatives, noting the former's advantages, including consistent quality, rapid production, and the ability to be genetically modified. Challenges in extraction techniques and their commercial applications are also mentioned, with emphasis on their emerging significance in food, pharmaceutical, and packaging industries.</p> <p>Comments:</p> <p>Abstract: Needs clearer focus. Consider condensing the extraction techniques and emphasizing key findings or applications in a concise manner.</p> <p>Introduction: The structure could be improved for better flow. Start with general information on polysaccharides, then narrow down to microbial polysaccharides. Include more recent references.</p> <p>Content Depth: Add more real-world examples or emerging trends to enhance the discussion on applications, especially in food and pharmaceutical industries.</p> <p>Extraction and Purification: Discuss scalability and potential challenges of these methods in industrial contexts. Consider adding recent advancements in extraction techniques.</p> <p>Polysaccharide Applications: Reorganize sections with clear headings for source, properties, and applications. This will improve readability and make the information more accessible.</p> <p>Conclusion: Consider adding insights on future trends or research gaps to provide a forward-looking perspective.</p> <p>Language and Grammar: Simplify complex sentences and ensure consistent use of technical terminology for better readability.</p> <p>References: Include more recent studies, particularly post-2020, to ensure the manuscript reflects current research and industry practices.</p> <p>Tables/Visual Aids: Enhance the manuscript with additional visual aids such as diagrams or flowcharts, particularly for explaining processes or comparisons.</p>	

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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>	

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