

Review of: "Impact of Starch Concentration on Chlorella-k-Carrageenan Gel Formation Mechanism"

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Potential competing interests: No potential competing interests to declare.

The research titled "Impact of Starch Concentration on Chlorella-k-Carrageenan Gel Formation Mechanism" is well organized; however, the discussion lacks depth. I recommend the authors improve the article before publication.

Abstract: The abstract section is poorly written and overly simplistic. It should be expanded to include a concise summary of the research objectives, methodology, key findings, and implications. Therefore, this section needs substantial improvement.

Knowledge Gap and Hypothesis: The authors should clearly state the knowledge gap their study addresses and include a hypothesis statement. This addition will provide context and justify the significance of the research.

Novelty Statement: At the end of the introduction or discussion, the authors should include a novelty statement. They need to highlight what is new or unique about their research compared to previous studies.

k-Carrageenan Specification: Section 2.5 lacks specific information about the k-carrageenan used. Detailed specification information should be provided to enhance the reproducibility and transparency of the study.

Scientific Discussion: Each set of experimental data should be discussed in the context of similar previous studies. This comparative analysis will enrich the scientific discussion and demonstrate how the current findings contribute to the existing body of knowledge.

Figures: The clarity of the figures needs to be improved. High-quality, well-labeled figures are essential for effectively communicating the research results.

By addressing these points, the overall quality and impact of the article will be significantly enhanced.