

Review Form 3

| | |
|--------------------------|--|
| Journal Name: | International Research Journal of Pure and Applied Chemistry |
| Manuscript Number: | Ms_IRJPAC_120538 |
| Title of the Manuscript: | Chitosan Nanocomposites-Based Electrochemical Sensors: A Review |
| Type of the 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 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. | | |
| Is the title of the article suitable? (If not please suggest an alternative title) | | |
| Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here. | | |
| Are subsections and structure of the manuscript appropriate? | | |
| 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. | | |
| Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. | | |

Review Form 3

| | | |
|--|--|--|
| <p>Minor REVISION comments</p> <p>Is language/English quality of the article suitable for scholarly communications?</p> | | |
| <p>Optional/General comments</p> | <p>The manuscript explores chitosan nanocomposites, an innovative fusion of chitosan and nanomaterials, gaining importance in various fields. These nanocomposites exhibit promising potential due to the synergistic interaction between chitosan's desirable properties—biocompatibility, natural availability, high film-formability, tunable functionality, and gel-forming ability—and the superior properties of nanomaterials.. However, the manuscript lacks several crucial details essential for a comprehensive review, necessitating significant revisions.</p> <ol style="list-style-type: none"> 1. The introduction and abstract need significant improvement. They currently lack relevant information regarding chitosan composites. Please include more detailed and pertinent data about chitosan composites to provide a comprehensive background for the study. 2. An in-depth explanation of the physical, chemical, and mechanical properties of chitosan is necessary in the introduction. This discussion should cover the fundamental characteristics and behavior of chitosan to help readers understand its potential applications and limitations. 3. The current manuscript does not adequately discuss the chitosan synthesis method and the various catalytic processes involved. Please expand this section to include more detailed descriptions of different synthesis methods, ensuring that a broad range of catalytic techniques is covered. 4. The discussion section should be more thorough in its explanation of each table presented. At present, the manuscript lacks basic information and detailed analysis. Ensure that each table is accompanied by a comprehensive discussion that interprets the data and highlights its significance in the context of the study. | |

PART 2:

| | | |
|--|---|---|
| | <p>Reviewer's comment</p> | <p>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)</p> |
| <p>Are there ethical issues in this manuscript?</p> | <p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p> | |

Reviewer Details:

| | |
|---|---------------------------------------|
| <p>Name:</p> | <p>Jenisha Daisy Priscilla</p> |
| <p>Department, University & Country</p> | <p>Taiwan</p> |