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| Book Name: | [**Current Research Progress in Physical Science**](https://www.bookpi.org/bookstore/product/current-research-progress-in-physical-science-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_3471** |
| Title of the Manuscript:  | **Buffer standards for the physiological pH of the zwitterionic buffer 3-[N-tris(hydroxymethyl)methylamino]-2-hydroxypropanesulfonic Acid (TAPSO) From (278.15 to 328.15) K** |
| Type of the Article | **Book Chapter** |

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| PART 1: Review Comments |
| Compulsory REVISION 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. Why do you like (or dislike) this manuscript? A minimumof 3-4 sentences may be required for this part.** | **The manuscript is important as cover the topic related to buffer for physiological system.** **Moreover, Zwitterion is important having no charge as compared to cationic or anionic buffers.** **As there are least forces of interactions among neutral molecules.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes**  |  |
| 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. | **Yes, but the description of zwitterion should be included in abstract.** |  |
| **Are subsections and structure of the manuscript appropriate?** | **Yes**  |  |
| **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 minimumof 3-4 sentences may be required for this part.** | **Manuscript is technically good, little mistake in referene no. 5. The values mentioned in paper and in referene paper are slightly different. Otherwise manuscript shows nice work and fit for publication.**  |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **Reference no 15, 18, 5, 1, 11, 17, 16,10,6 are very old, must be elimiatted , reference no 2, 7, 8 are also old.****Very few (only 5) reference are there above year 2000. No reference isthere after 2009 year.** **So , my suggestin is to include latest references and increase the number of references.**  |  |
| Minor REVISION commentsIs the language/English quality of the article suitable for scholarly communications? | English quality of manuscript is good.But manuscript require revision as new references are missing .There should be atleast 10-15 latest reference including papers of year 2024. |  |
| Optional/Generalcomments |  |  |

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| **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)* |  |

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| Reviewer Details: |
| Name: | **Nirmal Singh** |
| Department, University & Country | **R.S.D. College, Panjab University, India** |