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| Book Name: | [Chemistry and Biochemistry: Research Progress](https://www.bookpi.org/bookstore/product/chemistry-and-biochemistry-research-progress-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_** **5689** |
| Title of the Manuscript: | **A pH Measurement of Acetic Acid-Sodium Acetate Buffer Solutions Using a pH Meter at Ambient Temperature** |
| Type of the Article | **BOOK CHAPTER** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Journal of Applied Chemical Science International, Volume 15, Issue 2, Page 30-35, 2024.**

**DOI: 10.56557/jacsi/2024/v15i28894**

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | 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.** | The manuscript shed insight on the preparation of buffer solution- acetic acid-sodium acetate, its pH measurements that are important in aboratory settings, it provided a background knowledge on the buffer solution systems, while fostering analytical approaches. |  |
| **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. | Quite unclear, Buffer solution needs to be defined, provide a background, followed by aim, methods and results, conclude briedly on findingns and significance. Avoid personalization, refer and correct highlighted areas. |  |
| **Is the manuscript scientifically, correct? Please write here.** | Yes, it provided a background for the role of buffer solutions in chemical processes, highlighting the common ion effect, variation of pH on addition of NaOH et cetra. |  |
| **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? | Some issues with reporting style were highlighted for checks. |  |
| Optional/General comments |  |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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 detail)* |  |

**Reviewer details:**

**Michael Kalu, Gombe State University, Nigeria**