

**Review Form 1.7**

Journal Name:	<b>International Research Journal of Pure and Applied Chemistry</b>
Manuscript Number:	<b>Ms_IRJPAC_111091</b>
Title of the Manuscript:	<b>A comparison of the performance of Saltwater Electrolytic Cell Battery with Zinc-Copper and Aluminum-Copper Electrodes</b>
Type of the Article	

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**PART 1: Review Comments**

	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)
<p><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p><b>Yes, the manuscript looks into how different electrolytic cell battery can react and an optimal combination of electrode and electrolyte can be achieved.</b></p> <p><b>No, the motivation of the manuscript lies in the necessity of energy storage for evening usage, especially in the small rural households in remote locations. This should be reflected in the title</b></p> <p><b>Yes, too comprehensive</b></p> <p><b>Yes, however, 1.1 is missing in the manuscript</b></p> <p><b>Yes</b></p> <p><b>No, please add more references, preferably ones where similar systems were developed for rural areas, some examples could be as follows:</b>                      [1] Restrepo-Alvarez AF, Muñoz-Arias C, Villamil-Villar BI, Bolívar-Chaves OF. Development of a portable lighting system powered by photovoltaic solar energy: Chucheros-Buenaventura community application case. Ingeniería y competitividad. 2021 Dec;23(2).                      [2] Yasin MS, Islam MS, Biswas T, Rahman MS. Design of a low-cost lighting system for the rural areas of Bangladesh. In 2016 International Conference on Innovations in Science, Engineering and Technology (ICISSET) 2016 Oct 28 (pp. 1-4). IEEE.                      [3] Bista D, Shrestha A, Zisis G, Bhusal P, Topalis FV, Chhetri BB. Status Of Lighting Technologies in Nepal. Light &amp; Engineering. 2019 Dec 1;27(6).</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>Yes, however, it can be made more concise</p>	
<p><b>Optional/General</b> comments</p>	<ol style="list-style-type: none"> <li>1. Overall, the manuscript reads as a project report rather than a scientific article, please try to make it more concise</li> <li>2. Please try to define acronyms if used in the manuscript afterwards, for example, GWe = gigawatt energy</li> <li>3. Please provide reference to statements not in evidence, for example: 'Every cubic meter of freshwater that combines with saltwater generates around 0.65 kilowatt-hours of energy, sufficient to power the average American home for approximately 30 minutes.'</li> <li>4. Standard-state reduction potentials have been mentioned in section 1.3, however no references were mentioned</li> <li>5. Equation number and reference style are similar, please consider changing one of them</li> <li>6. The author should avoid referring to aluminum as soda can, that is not the only application of aluminum</li> <li>7. All Tables and Figures should be referred to in the text</li> <li>8. The formatting of the tables should be similar</li> <li>9. Figures 12-15 and figures 16-19 show exactly the same thing, one set should suffice</li> <li>10. Reference style should be made consistent</li> </ol>	

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**PART 2:**

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

**Reviewer Details:**

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