

## Review Form 1.7

Journal Name:	<a href="#">Asian Journal of Chemical Sciences</a>
Manuscript Number:	Ms_AJOCS_116480
Title of the Manuscript:	<b>Synthesis of Nano-Electrolytic Manganese Dioxide for Alkaline Batteries Mediated by Organic Additives.</b>
Type of the Article	<b>Research article</b>

### **General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalajocs.com/index.php/AJOCS/editorial-policy> )

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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>Yes</p> <p>Title of the article is suitable</p> <p>Abstract need some modification</p> <p>Yes</p> <p>Yes</p> <p><b>Need to</b> Include more references from the recently published articles/review papers.</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</p>	
<p><b>Optional/General</b> comments</p>	<p>The manuscript is deemed worthy of publication and is recommended for acceptance after addressing some minor corrections. The required corrections are outlined below.</p> <ol style="list-style-type: none"> <li>Section 2.1 , provide the name of organic additive used .and also provide the actual amount or concentration of organic additive taken in ppm.</li> <li>Figure 1. And 5 Is blurry. Redraw the Figure 1and 5. with larger font size to avoid any blurry visuals</li> <li>Under Section 3.1, last line), use the same word (whether Figure 2,3&amp;4 or fig 2,3&amp;4) in the text and the caption of the figure.</li> <li>Transmission band at 1100 cm<sup>-1</sup> not visual in FTIR spectra (given in figure 6)..Is seems the band disappear due to more smoothing command.</li> <li>In the Caption of Figure 5 and 6, concentration of additives is given but in manuscript text in a manuscript it is missing.</li> <li>Quality of figure 8, 9, 10 and 11 is poor. Redraw the figures.</li> <li>Include more references from the recently published articles/review papers.</li> </ol>	

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	<p>8. Revise the abstract part.</p> <p>9. Under section 3.4 SEM analysis, line No 4, The presence of the organic additives in the electrolysis bath influenced the EMD particle size (Fig. 10). But Figure 10 represent the Discharge and specific capacities versus cycling behaviour of EMD samples containing sucrose in different concentration (a) 0 ( b) 10 ( c )100 and (d) 50 ppm.</p> <p>10. Author claimed the no agglomeration and small grain size are observed in the case of 100 ppm Glycine and Sucrose added (Fig.7 b–c), while a larger grain size is observed for EMD deposited in the absence of additives (Fig.7 a). But SEM images indicates almost equal size grain.it is advisable to provide the exact grain size and rewrite the SEM analysis part.</p>	
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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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

### Reviewer Details:

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