

**Review Form 1.7**

Journal Name:	<a href="#">Journal of Materials Science Research and Reviews</a>
Manuscript Number:	<b>Ms_JMSRR_114679</b>
Title of the Manuscript:	<b>Review on the Application of Additives in Micro-arc Oxidation of Titanium Alloy</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 topic they crossed for their review is an fascinating topic of research to produce light weight alloys</b></p> <p><b>yes</b></p> <p><b>need to emphasize the significance of choosing this particular alloy</b></p> <p>yes</p> <p>yes</p> <p>yes, need to add few more recent references</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 research work entitled "<b>Review on the Application of Additives in Micro-arc Oxidation of Titanium Alloy</b>" is an interesting review in the field of metal alloys.</p> <p>The work can be accepted with the following revision</p> <ol style="list-style-type: none"> <li>1. The abstract should emphasize the importance of this review particularly by the authors choose Ti –alloy ?</li> <li>2. In Introduction section, ( 1<sup>st</sup> paragraph) the authors given some basic characteristics of Ti-alloy without proper citations . The proper references should be added in that section.</li> <li>3. The authors must include the need of <b>micro-arc oxidation method</b> in improving the properties of ti-alloy</li> <li>4. In Figure 1, caption the authors mentioned MAO process. The abbreviation of MAO is not stated previously</li> <li>5. Before section 3, the authors must explain the need of additive in <b>micro-arc oxidation method?</b></li> <li>6. In section 3.1, the authors can add more references with soluble salt additives Eg <a href="https://doi.org/10.3390/coatings12081093">https://doi.org/10.3390/coatings12081093</a></li> <li>7. Figure 3 need reference</li> <li>8. As the title itself emphasis the application of additive in MAO process, the authors may discuss elaborately about the role of different additives in section 3.1,3.2 and 3.3. The section contain very limited discussion about the additives. Also they may also include the papers published recently in the selected alloy</li> <li>9. In Summary , the authors must state the advantages of each additives based on their review. Also they must conclude which additive is more suitable in MAO process based on their review, whiuch will help the readers to continue their research in MAO method.</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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Department, University & Country	<b>S. T. Hindu College, India</b>