

Review Form 1.7

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_113240
Title of the Manuscript:	Evolution of mechanical performance and corrosion susceptibility of Al-Zn-Mg alloy after different times of flame rectification
Type of the Article	Original Research Article

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>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>A study was carried out of the microstructure, mechanical properties and corrosion characteristics of the Al-Zn-Mg alloy before and after single and multiple flame rectification. The patterns of changes in the mechanical properties and corrosion resistance of the alloy have been established.</p> <p>YES.</p> <p>YES.</p> <p>YES.</p> <p>YES.</p> <p>YES.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>YES.</p>	
<p>Optional/General comments</p>	<p>1. I recommend showing the scatter of mechanical properties in Figures 6, 7.</p> <p>2. The description of figures 8,9 would be more informative if the authors used numerical parameters, for example: https://www.sciencedirect.com/science/article/pii/S1877705817318994 I propose to expand the description of the fracture mechanisms and refer to this article.</p> <p>3. The relationship between micro-level parameters (grain sizes) and macro-level parameters (strength and corrosion resistance) should be described in more detail.</p> <p>3. The conclusions should be supplemented with numerical information.</p>	

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PART 2:

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

Reviewer Details:

Name:	Ihor Okipnyi
Department, University & Country	Ternopil Ivan Pulu National Technical University, Ukraine