

Review Form 3

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_124003
Title of the Manuscript:	Evaluating Corrosion Protection Capacity Of Selected Oil Paints To Reinforcing Steel Bar In Concrete
Type of the Article	Original Research Article

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p>	<p>This manuscript offers significant information on the use of locally available oil paints in protecting reinforcing steel bars from corrosion. The research focuses on solving a very important problem concerning the durability of structures, particularly in areas where corrosion leads to considerable financial and human losses. It is advantageous to propose the idea of testing materials that are readily available to provide a cheaper solution for the construction industry as well as the maintenance of infrastructures. Nonetheless, the manuscript shows extensive electrochemical characterization, but the differences between the paint types could be explained statistically better to enhance the conclusion made. Altogether, the study makes a reasonable contribution to develop the knowledge in corrosion protection in reinforce concrete.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title is suitable</p>	
<p>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.</p>	<p>In this article, the abstract contains the broad outline of the issue under study, which works as an advert for the paper and provides the readers with information about the problem under consideration, the method used to address it and the results obtained: the subject of the corrosion of reinforced steel bars, the method of applying oil paints and the outcomes of the study on the effectiveness of different paints in protecting the steel bars against corrosion. However, I suggest a few improvements for clarity and completeness: However, I suggest a few improvements for clarity and completeness:</p> <ol style="list-style-type: none"> 1. abstract could focus on the general realization on how corrosion affects structures more so infrastructures and the potentiality of the economic returns that a company or nation stand to benefit especially when they use local paint products. 2. A short explanation or a repetition in other words may help the readers who do not know some of the terms used (for example, "stable polarization," "Tafel slope"). 3. Refer to the statistical assessment to explain why no differences between types of coatings as well as the numbers of coats were observed, thus indicating generalizability of the achieved results. 4. Finally, the abstract could quickly state potential future research or the possible implementation of such theories within the construction business. 	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes.</p>	
<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>The study therefore seems to be scientifically credible and technically efficient because of its expressive methodology and vault like experimentation. By applying well-known electrochemical methods such as stabilization in the polarization plateau region and applying the Tafel extrapolation, corrections can be made which ensure accurate measurement of corrosion resistance. Furthermore, the comparison of more than one type of paint and coating thickness, as well as the employment of control specimens, increases the reliability of the findings. Moreover, the results of statistical data also suggest that there is no much loss of performance with various methods and types of coatings as well as paints which makes the results more valid and useful for real world applications.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>Yes.</p>	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	In terms of the language and quality of the English the article is fully appropriate for scholarly purposes since it provides the information about the general aims and methods of the research and their results.	
Optional/General comments		

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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