

Review Form 1.6

Journal Name:	Annual Research & Review in Biology
Manuscript Number:	Ms_ARRB_89323
Title of the Manuscript:	PARSLEY LEAVES (Petroselinum Sativum) AS CORROSION INHIBITORS OF STEEL DIN 2391 ST 374 IN ACID MEDIUM 5% H2SO4
Type of the Article	Original Research Article

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.journalarrb.com/index.php/ARRB/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)
Compulsory REVISION comments	<ul style="list-style-type: none"> • The temperature at which the tests were performed must be specified. • It is necessary to give the exposed surface of the working electrode to the corrosive medium. • It is required to specify the potential range and the scanning rate to realize the potentiodynamic polarization curves. • You must correct the information you gave in the paragraph "The dried leaves.... 3 years" what is the meaning of year here. • Please add references to the first and second paragraphs in the introduction. • It is necessary to use recent references. • It is necessary to add the other parameters of potentiodynamic polarization like (icorr, ba, bc). • Authors should add inhibition mechanisms for better understanding. • It is better to add a comparative study, according to the literature, to compare the used inhibitor with others used for the same type of steel in acidic media. • The process of preparation of the inhibitor is not clear (The dried leaves of Petroselinum ... amounts of 0.5 g; 1 year and 3 years ??); • The experimental conditions for obtaining the bias curves are not detailed such as the potential range and scanning rate; • How would you be able to estimate the time it takes to reach a steady state? • In the title, you indicate the eco-corrosion inhibitor is parsley leaves, but in the parts of the results, you mention primrose. They are not the same species ; • The electrochemical parameters (the current densities of corrosion, Tafel slopes, ...) are not summarized in the table; • Why did you not utilize EIS studies? It is better to comprehend the metal-solution interface phenomenon. 	
Minor REVISION comments	<ul style="list-style-type: none"> • You need to rearrange the references in your manuscript. • An explanation should be added on how you concluded that the inhibitor used is of mixed type. • The references are older and not adequately incorporated into the main text. 	
Optional/General comments	<ul style="list-style-type: none"> • It is preferable to prove the effectiveness of your extract by other methods of analysis such as SEM, MEB, EDX.... • It is better to use other electrochemical methods to study the effectiveness of your extract like EIS... 	

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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:	Forsal Issam
Department, University & Country	Higher School of Technology, Morocco