

Review Form 1.7

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| Journal Name: | Chemical Science International Journal |
| Manuscript Number: | Ms_CSIJ_96801 |
| Title of the Manuscript: | Synthesis, Characterization and Electrochemical Studies on the Corrosion Inhibition Properties of Schiff bases for Mild Steel in 1 M HCl solution. |
| 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.journalcsij.com/index.php/CSIJ/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>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. (Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p> | <p>1. The manuscript describes the Synthesis, Characterization and Electrochemical Studies on the Corrosion Inhibition Properties of Schiff bases for Mild Steel in 1 M HCl solution. The research work is presented new approach towards corrosion inhibition.</p> <p>2. The title is very suitable</p> <p>3. The abstract is concise, inclusive and comprehensive.</p> <p>4. The subsections and manuscript structure are appropriate.</p> <p>5. Both chemical, electrochemical, microscopic approach were considered in the experimentation. Adsorption isotherm was considered. The manuscript is scientifically correct.</p> <p>6. More recent references are required. The authors are strongly advised to consult the under listed articles: B.U. Ugi, M. Obeten, V. Bassey, E. BoEkom, E. Omaliko, F. Ugi, I. Uwah (2021). Quantum and Electrochemical Studies of Corrosion Inhibition Impact on Industrial Structural Steel (E410) by Expired Amiloride Drug in 0.5 M Solutions of HCl, H₂SO₄ and NaHCO₃. Moroccan Journal of Chemistry, Vol. 9, No. 4, Pp. 677-696 Ugi, B. U, Obeten, M. E., Bassey, V. M, Louis Hitler, Adalikwu, S. A., Omaliko, E. C., Nandi, D. O. Uwah, I. E. (2022) Adsorption and Inhibition Analysis of Aconitine and Tubocurarine Alkaloids as Eco-friendly Inhibitors of Pitting Corrosion in ASTM – A47 Low Carbon Steel in HCl Acid Environment, Indonesian Journal of Chemistry vol. 22 No. 1, Pp. 1 – 16</p> | |
| <p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p> | <p>1. Authors are advised to carefully check for minor grammatical and typographical errors in the manuscript.</p> <p>2. Separate all units from numbers e.g. 45.6 % and not 45.6%, etc.</p> <p>3. The conclusion should be restructured. It's only a duplicate of a part of the Abstract.</p> <p>4. Axis values for Figures 8 – 12 should be reformatted to General or Number rather than Scientific for clarity purpose. E.g.</p> <div style="text-align: center;"> </div> <p>5. It is necessary that both the temperature effects on the efficiency and kinetics of the inhibitor should be studied. Authors are encouraged to include this as part of the research.</p> | |
| <p>Optional/General comments</p> | | |

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) |
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| <p>Are there ethical issues in this manuscript?</p> | <p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p> | |

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Reviewer Details:

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