



SDI Review Form 1.6

Journal Name:	Asian Journal of Chemical Sciences
Manuscript Number:	Ms_AJOCS_30685
Title of the Manuscript:	Mild Steel Corrosion Inhibition by Eremomastax polysperma Leaf Extract in Acidic Medium
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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

Revision	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	General comments: The reviewed article is about inhibition of mild steel corrosion in 1 M H₂SO₄ solution by <i>Eremomastax polysperma</i> leaf extract. The study was conducted by weight loss and hydrogen evolution techniques. Both methods are outdated and imprecise, and now very rarely used to study the corrosion process of metals. According to me research of inhibition effect of <i>Eremomastax polysperma</i> should be supplemented by electrochemical measurements because they are more accurate and reliable. Moreover, studies on inhibitory effects of various extracts is not new. Until now, a lot of published works relating to that subject. Specific comments: 1. All the measurements results presented in the tables must have a limited number significant digits and saved the sequence according to the formula: 0.0. 2. The Authors must calculate values of degree of surface coverage and listed are in suitable table. 3. The formula (5) which described of Langmuir isotherm was defined incorrectly. 4. The Conclusion was written in very general, Authors must write conclusion once again including all test results.	Weight loss and hydrogen evolution methods are standard methods of corrosion inhibition studies. Other methods of testing are also available. It is not true to say that the methods used in this work are outdated and imprecise. Not sure what the reviewer wants. Done. Equation (5) is the modified Langmuir isotherm. It is correctly written . Additional information has been added. Done.
Minor REVISION comments	The manuscript contains five figures, and four tables. The figures and tables are done correctly. Authors have used twenty eight of literature sources. Unfortunately, much of the literature sources were selected incorrectly, because they concern to aluminium and other alloys (see References: 3, 6, 15, 16, 20, and 21) but not corrosion of steel. Therefore, Authors must plot literature regarding aluminium and replace are with articles about corrosion process of steel in acid medium. However, list of	Two references [3,6] have been replaced with 2016 papers on mild steel corrosion in acidic medium. The other references [15,16,20, and 21] are used in this work because fundamental corrosion equations and other citations in this work have been credited to them. Though they



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	references includes old and not current articles (see: 4, 5, 6, 17, 23, and 26) that should be deleted and replace them with new and current work.	are papers on aluminium, they are relevant to this work. How old or new a publication is does not matter. It is the contents of the papers and how they help support the findings of this work. The listed references are necessary in this work.
<u>Optional/General</u> comments	The paper contains some original data and results. This results presented in the article about inhibition effect of mild steel by <i>Eremomastax polysperma</i> leaf extract were not published yet. The article has a scientific character. However, Reviewer wants to emphasize the major contribution of Authors to prepare green inhibitors by extraction method.	The method used in getting the extract in this work falls under cold extraction method.