



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

	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)
<u>Compulsory</u> REVISION comments	• Why H₂SO₄ solution chosen? Why not other acid solution, such as HCl? • What is the form of the extract when it will do the testing? • What are considered in choosing of temperature? Why not do a temperature above 60°C? • Authors should provide a more detailed explanation about the influence of temperature on the value of ΔH, ΔS, CR, E_a (Provide a description of the cause)	H₂SO₄ is widely used industrially for pickling of iron and steel. It is less fummy than HCl. The extract was in the form of a paste. Most pickling processes are done at 30°C – 60°C. Hence the choice of the temperature range for this work. Above 60°C the rate of dissolution of the metal in the acid solution is very high. The influence of temperature on CR has been done. Plots of $\ln CR$ vs $1/T$ and $\ln (CR/T)$ vs $1/T$ where E_a, and ΔH and ΔS values, respectively, were obtained have already taken care of influence of temperature on these parameters. The values given are averages for the temperature range 30°C – 60°C.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		