



SDI Review Form 1.6

Journal Name:	American Chemical Science Journal
Manuscript Number:	Ms_ACSJ_21414
Title of the Manuscript:	Adsorption and thermodynamics study of Ferrioin [tris(1,10-phenanthroline iron(II) sulphate complex] as corrosion inhibitor for mild steel in acidic medium.
Type of the 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>)

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)
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<u>Compulsory</u> REVISION comments	1) Part3.3 Why the inhibition efficiencies calculated from EIS measurements show the same trend as that obtained from potentiodynamic polarization measurements and weight loss measurements? Authors should provide comparing data and analyze more clearly. 2) Part 4.3. The apparent activation energy (E_a) and enthalpy (ΔH°) in the acid solution was found to increase and the extent of the increase is proportional to the temperature increase, Authors should illustrate this phenomenon from energy barrier theory more clearly. 3) References Some references' form is not correct, e.g. [7][8] [14][19] (reference authors' name...) Authors should check the references thoroughly. 4) Introduction Authors are suggested to add some latest information and introduce current research hotspots in this part. 5)	This is the necessity of the research work that each technique should tell the results with each other. It has been explained. References [7][8] [14][19] have been checked and corrected. It has been provided. Have been rearranged.
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	Equations should be rearranged according to journal's requirements.(now some left some right some middle)	It has been updated. Equations have been rearranged.
<u>Minor</u> REVISION comments	1) Figures Some fonts are big, and some are small.	Done
<u>Optional/General</u> comments	1) Some expressions are not clear enough and authors should carefully check and verify them. 2) Some references are not quite related to the discussion part in this paper, authors may also consider to organize the describing language.	Checked.