



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 Ferroin [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>)



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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	The work is interesting but I have the following suggestions. 1. English should be improved throughout the manuscript. 2. Quantitative information should be provided in the abstract. 3. This work emphasizes adsorption and, hence, a paragraph should be added on adsorption with the citation of the following refs. 4. Refs are not updated and the following refs. should be added: -Advances in Water Treatment by Adsorption Technology, Nature London, 1: 2661-2667 (2006). -The Quest for Active Carbon Adsorbent Substitutes: Inexpensive Adsorbents for Toxic Metal Ions Removal from	The authors went through the manuscript and improved necessary English. It has been provided. The adsorption process is not fundamental rather it is contact adsorption. The authors have introduced contact adsorption taking place at electrical double layer and the necessary matter about it has been discussed along with reference. These references correlate with water treatment and the authors manuscript is not about water treatment rather it is about corrosion protection.



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	Wastewater, Sepn. & Purfn. Rev., 39, 95-171 (2010). -New generation adsorbents for water treatment, Chem. Revs., 112: 5073-5091 (2012). -Low cost adsorbents for removal of organic pollutants from wastewater, J. Environ. Manag., 113: 170-183 (2012). - Water treatment by adsorption columns: Evaluation at ground level, Sepn. & Purfn. Rev., 43: 175-2015 (2014). I WOULD LIKE TO SEE THE REVISED MANUSCRIPT.	
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<u>Minor</u> REVISION comments	x	The authors went through the manuscript and improved necessary English. It has been provided. The adsorption process is not fundamental rather it is contact adsorption .The authors have introduced contact adsorption taking place at electrical double layer and the necessary matter about it has been discussed alongwith reference. These references correlate with water treatment and the authors manuscript is not about water treatment rather it is about corrosion protection.
<u>Optional/General</u> comments	x	