



**SDI Review Form 1.6**

Journal Name:	<a href="#">Journal of Pharmaceutical Research International</a>
Manuscript Number:	<b>Ms_JPRI_43573</b>
Title of the Manuscript:	<b>Adsorption Thermodynamics, kinetics and mechanism for the adsorption of Erythromycin onto Multi-Walled Carbon Nanotubes</b>
Type of the Article	<b>Original Research Article</b>

**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)
<b>Compulsory</b> REVISION comments	<p>The authors investigated Adsorption Thermodynamics, kinetics and mechanism for the adsorption of Erythromycin onto Multi-Walled Carbon Nanotubes. However the study is interested, the manuscript should revise carefully before acceptance concerning the following comments.</p> <p>1- All initials on the words of the title should be uniform capital or small letters?  2- What is mean by C.I. number?  3-References 23, 24 for the amount of adsorbed ions must be updated by adding the following citation:</p> <ul style="list-style-type: none"> <li>Laila H. Abdel-Rahman , Ahmed M. Abu-Dief , M. A. Abd- El Sayed, Mallak Megalea Zikry, Nano Sized Moringa oleifera an Effective Strategy for Pb(II) ions Removal from Aqueous Solution, Chemistry and Materials Research, 2016, 8, 1-7.</li> </ul> <p>4- How the specific surface area of the adsorbent used in this study calculated?  5- For determination of thermodynamic parameters the following citations must be added</p> <ul style="list-style-type: none"> <li>Laila H. Abdel-Rahman , Rafat M. El-Khatib, Lobna A.E. Nassr, Ahmed M. Abu-Dief, Synthesis, physicochemical studies, embryos toxicity and DNA interaction of some new Iron(II) Schiff base amino acid complexes, Journal of Molecular Structure 1040 (2013) 9–18.</li> <li>Laila H. Abdel-Rahman, Ahmed M. Abu-Dief, H. Moustafa, and Samar Kamel Hamdana Ni(II) and Cu(II) complexes with ONNO asymmetric tetradentate Schiff base ligand: synthesis, spectroscopic characterization, theoretical calculations, DNA interaction and antimicrobial studies, Appl. Organometal. Chem. 2017, 31, e3555.</li> <li>Abdel-Rahman, L. H., Abu-Dief, A. M. El-Khatib, R.M., Abdel- Fatah, S.M., Adam, A.M., Ibrahim,E.M.M., Sonochemical synthesis, structural inspection and semiconductor behavior of three new nano sized Cu(II), Co(II) and Ni(II) chelates based on tri dentate NOO imine ligand as precursors for metal oxidesAppl Organometal Chem. 32 , 3 ,2018, e4174</li> </ul> <p>6- The mechanism of adsorption should be discussed in detail.</p> <p>7-For pseudo-first order kinetics references 39, 40 must be updated by adding the following citations:</p> <ul style="list-style-type: none"> <li>Laila H Abdel-Rahman, Badriah SF Al-Farhan, Ahmed M Abu-Dief and Mallak Megalea Zikry, Removal of Toxic Pb(II) Ions from Aqueous Solution by Nano Sized Flamboyant Pod (Delonix regia), Ahives in Chemical Research, 2016, 1 , 1-10.</li> <li>W.S. Mohamed , Ahmed M. Abu-Dief, Synthesis, characterization and photocatalysis enhancement of Eu2O3-ZnO mixed oxide nanoparticles, Journal of Physics and Chemistry of Solids 116 (2018) 375–385</li> </ul>	<p>We are thankful because of review our manuscript. We revised this manuscript according the reviewer's comments</p> <p>1. All initials on the words of the title revised  2. C.I. NAMBER: The descriptor is the Colour Index™ Constitution Number (often abbreviated to CICN) which is chemical-structure related.  3.Ref revised and used ref 23.</p> <p>4.The specific surface area of the adsorbent was determined by the BET method using a Gemini 2357 surface area analyzer (Micromeritics Instrument Corporation, USA).</p> <p>5. Ref revised and used ref 36-37-38.</p> <p>6. The mechanism of adsorption discussed at part Intraparticle diffusion model.</p> <p>7. Ref revised and used ref 39-40.</p>



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	8- Does the author try to use concentrations below10 ppm and what is its impact?	8. Concentrations below 10 mg /L have not been used in this study ,Because the goal was to study high concentrations of antibiotics.
<b>Minor</b> REVISION comments	The author should revise the language of manuscript carefully to remove any typographical or grammatical errors.	
<b>Optional/General</b> comments		