

## Review Form 1.6

Journal Name:	<a href="#">International Research Journal of Pure and Applied Chemistry</a>
Manuscript Number:	Ms_IRJPAC_86620
Title of the Manuscript:	Adsorbents used for removal of mercury from aqueous solutions: A review
Type of the Article	Review 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:

(<https://www.journalirpac.com/index.php/IRJPAC/editorial-policy> )

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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>1. Introduction Page 1 The expression "it absorbs quickly into biological tissues" is not proper. It should be expressed in passive form.</p> <p>2.1 Activated carbon Page 3 The expression "Heavy metals are removed from natural water and wastewaters, commercial activated carbon is a well-known adsorbent" is difficult to understand. Please, make it clearer for readers.</p> <p>2.2 Polymers Page 8 The expression "Table 2 also shows that thiol-functionalized magnetic porous organic polymers [74], sulfur-containing nitrogen-rich robust hierarchically porous organic polymers [76], melamine-based porous polymers [79], polyaniline/attapulgite composite due to its amine and imine functional groups [80], and due to the strong non-covalent interaction of the ligand S and N lone pairs with Hg<sub>2</sub>, sulfur-containing nitrogen-rich robust hierarchically porous organic polymers" is difficult to understand. The sentence has not been complete. Please, make it clearer for readers.</p>	
<b>Minor</b> REVISION comments	<p>Some mistakes in writing format are found, as follows:</p> <ul style="list-style-type: none"> <li>- How to write the key words in Abstract is not consistent (page 1)</li> <li>- How to write the citation is not consistent (page 2)</li> <li>- How to write the types of adsorbents in Table 1 and 2 is not consistent (page 4, 7)</li> <li>- Table 2: It does not need to write again the unit "mg/g" following the numeric because the unit has been written in the column title</li> <li>- How to write the column title describing the types of adsorbents in Table 1, 2, 3, 4 is not consistent. It is better to just write "Adsorbents" instead of "Name of adsorbents".</li> <li>- Nanoparticles (missing 2.3), page 9</li> <li>- The title of Table 3 is not proper (page 10)</li> <li>- Some abbreviations showing up in Table 2, 3, 4 need to be explained their complete stands below the tables</li> <li>- Etc. please find others in the manuscript (indicated in yellow blocks)</li> </ul>	
<b>Optional/General</b> comments		

### PART 2:

	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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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