

## Review Form 1.7

Journal Name:	<b>International Journal of Plant &amp; Soil Science</b>
Manuscript Number:	<b>Ms_IJPSS_103015</b>
Title of the Manuscript:	<b>PHYTOREMEDIATION OF HEAVY METAL CONTAMINATED SOILS USING VARIOUS FLOWER AND ORNAMENTALS</b>
Type of the Article	<b>Review 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:

(<https://www.journalijpss.com/index.php/IJPSS/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)
<p><b>Compulsory</b> REVISION comments</p> <ol style="list-style-type: none"> <li><b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li><b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li><b>Is the abstract of the article comprehensive?</b></li> <li><b>Are subsections and structure of the manuscript appropriate?</b></li> <li><b>Do you think the manuscript is scientifically correct?</b></li> <li><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<ol style="list-style-type: none"> <li>I congratulate the authors for the good choice of this subject. Soil pollution by heavy metals is a major environmental problem. As well as the use of ecological processes such as plants for their treatment is a better solution. However, this work requires a lot of work to be reconsidered at a second review.</li> <li>The title is suitable.</li> <li>No</li> <li>No</li> <li>No</li> <li>No, the most recent cited is in 2021 and just one.</li> </ol>	
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li><b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	No	
<p><b>Optional/General</b> comments</p>	<p>I offer you some remarks to improve your article:</p> <ol style="list-style-type: none"> <li>Please try to avoid using bibliographic references in the abstract.</li> <li>Scientific names must be in italic; Catharanthus roseus, Eucalyptus</li> <li><b>Please give the reference for:</b> Accumulation of the elements in the roots and shoots has been in the following order: Cu&gt;Zn&gt;Mn&gt;Cd&gt;Pb&gt;Fe. Also for Chromium beyond 10 ppm was toxic to the plants resulting in drastic reduction in plant growth and at 25 ppm caused mortality of plants. Chromium at 10 ppm inhibited flowering in Calendula and dahlia. Calendula can be used for phytoremediation of soils with low level of Cr (up to 10 ppm).</li> <li><b>In</b> "The organ metal concentrations have not <b>statistically</b> translocated from roots to shoots of plants, except for Zn and Cu whose concentrations have been significantly higher in roots" I suggest add some statistics studies like means, p-value....</li> <li>Try to respect the mathematical formulats: what is means for example 50 mg Kg-1 in Mani <i>et al.</i> (2014) reported that Lead (Pb) applied at 50 mg Kg-1</li> <li>In many time the authors talk about removal of chromium and its toxicity. Which oxidation form of chromium the authors aim to remove and discuss?</li> <li>Ahmad <i>et al.</i> (2014) concluded that about 38 percent of <b>chromium</b></li> <li>According to Ramana <i>et al.</i> (2013) Dahlia <b>recorded the highest concentration</b> of Chromium and Calendula the least. Please Give the value</li> <li>More results and discussions is needed</li> <li>The conclusion is an essential part of a research paper especially for an review paper a conclusion and perspectives is an interesting part.</li> </ol>	

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**PART 2:**

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

**Reviewer Details:**

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