|  |  |
| --- | --- |
|  | |
| Journal Name: | [**Journal of Advances in Medical and Pharmaceutical Sciences**](https://journaljamps.com/index.php/JAMPS) |
| Manuscript Number: | **Ms\_JAMPS\_147487** |
| Title of the Manuscript: | **A Comprehensive review on the health & ecological impacts of chromium, cadmium and lead** |
| Type of the Article | **Review Article** |

|  |  |  |
| --- | --- | --- |
| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This article robustly discussed comprehensive review of anthropogenic and ecological effects of three selected heavy metals: chromium (Cr), cadmium (Cd), and lead (Pb). It shows integrated evidence that depict the relationship among environmental contamination sources, molecular-level toxicological mechanisms and corresponding remediation strategies. | This manuscript is important because it reviews the toxic effects of three dangerous heavy metals chromium, cadmium, and lead on both health and the environment. It connects how these metals contaminate nature, how they harm at a molecular level, and how they can be treated. This kind of summary helps researchers and policymakers plan better ways to protect people and nature. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The title appears clear, concise and address the concept of the manuscript. | Thank you. We agree that the current title clearly reflects the subject and scope of the manuscript. |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | The abstract comprehensively addresses the contents of the articles; however, it appears too lengthy. advised to proofread the tenses and include the methodological approach | Thank you for the suggestion. We have shortened the abstract and corrected the tenses. A sentence explaining the review approach has also been added. |
| Is the manuscript scientifically, correct? Please write here. | The manuscript is scientifically sound, however, a more thorough assessment of gaps in knowledge and constraints (for example, the absence of standardised remediation efficiency statistics) will improve the scientific strength | We appreciate the comment. We have now added a section discussing the main research gaps, especially the lack of standardized data on remediation efficiency. |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The references are current, comprehensive and address the contents of the article, however, more recent literature on remediation and toxicology can be added | Thank you. We have updated the reference list by including several recent studies. |
| Is the language/English quality of the article suitable for scholarly communications? | This academic manuscript demonstrates strong writing quality. While the English language used is generally appropriate for publication, proofreading the manuscript, particularly in the abstract is recommended. | Thank you. We have carefully proofread the manuscript, especially the abstract, to improve grammar and clarity. |
| Optional/General comments | The manuscript is a valuable and well-organized review of the health and ecological impacts of chromium, cadmium, and lead. It demonstrates substantial effort in literature compilation and provides clear linkages between sources of contamination, toxicological mechanisms, and remediation strategies. | We are grateful for the kind words. Your feedback encourages us and confirms the value of this work. |

|  |  |  |
| --- | --- | --- |
| **PART 2:** | | |
|  | Reviewer’s comment | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)* | There are no ethical concerns in this manuscript. All studies are conducted ethically and responsibly |