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| 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** |

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| 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 helps in environmental monitoring**  **Helps to know the toxic effects of these metals.**  **It serves as baseline for further research.** | 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)** | **Yes is suitable but add contamination** | Thank you for the suggestion. We agree the current title is mostly suitable. Based on your input, we will revise it slightly to include the word "contamination" for better clarity. |
| 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 must concisely present the study’s background, methods, results, conclusions, and recommendations.** | Thank you for the feedback. We have revised the abstract to make it more concise and structured. It now briefly includes the background, methods, key findings, conclusion, and recommendations as suggested. |
| Is the manuscript scientifically, correct? Please write here. | Yes | We are grateful for the positive evaluation. No major scientific concerns were noted, but we are open to further corrections if needed. |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The references are sufficient and recent but more should 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? | The manuscript should be carefully edited to ensure a comprehensive grammar review and overall language refinement. | Thank you for pointing this out. We have carefully proofread the manuscript and improved grammar, sentence clarity, and consistency across the text. |
| Optional/General comments | **This manuscript is good and publishable subject to the following corrections for improvement**  **\*The keywords are too much, reduce and arrange in alphabetical order.**  **\* More reported toxicities of these metals from within the country and other parts of the world.**  **\*Ecological impacts of these metals like soil, plants, aquatic life and food chain, though mentioned, but not discussed.**  **\*Redundancy and over-citations of many single sources should be addressed.**  **Reneal "renal correct this.**  **Literal., 2020 should be cited like other citations.**  **Provide a meaning conclusion and more recommendations, the one provided in the text is part of the recommendations as future direction.** | We sincerely appreciate the reviewer’s detailed and constructive comments. In response, several improvements have been made to enhance the overall quality of the manuscript. The keywords have been reduced and rearranged alphabetically for better organization. Additional examples of the toxic effects of chromium, cadmium, and lead from both local and international studies have been included to strengthen the discussion. The ecological impacts of these metals on soil, plants, aquatic life, and the food chain have been elaborated more thoroughly. Issues of redundancy and over-citation have been carefully corrected to ensure clarity and precision. The typographical error “Reneal” has been corrected to “Renal,” and the citation “Literal., 2020” has been reformatted in line with the other references. Finally, the conclusion has been rewritten to make it more meaningful, and the recommendations have been clearly separated from the future directions to improve readability and structure. |

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| **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. It is based solely on published literature, and no new experiments involving humans or animals were conducted. |