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| Book Name: | [**Geography, Earth Science and Environment: Research Highlights**](https://www.bookpi.org/bookstore/product/geography-earth-science-and-environment-research-highlights-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5015** |
| Title of the Manuscript: | **Study the Effectiveness of Household Water Filtration Systems in Eliminating Plastic Particles in Mosul City, Iraq** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Journal of Ecological Engineering, 25(9), 24–33, 2024.**

**Available:** [**https://doi.org/10.12911/22998993/190106**](https://doi.org/10.12911/22998993/190106)

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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 *(Please correct the manuscript and highlight that part in the manuscript. 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 manuscript effectively addresses the critical issue of microplastic contamination in drinking water, emphasizing the role of household water filtration systems in mitigating health risks. It provides essential insights into the efficiency of different filtration stages, offering practical data for improving drinking water safety. Furthermore, the study uniquely focuses on Mosul City, Iraq, filling an important regional research gap. However, additional discussion on health implications would further underscore its scientific relevance. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Yes |  |
| 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 is comprehensive, summarizing the key findings effectively. However, it would be improved by briefly mentioning the health risks associated with microplastics to emphasize the practical implications of the findings. |  |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript is scientifically robust and methodologically sound. However, clarification on sample size determination and statistical significance of the observed differences in filter efficiency would further strengthen the results. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | The references provided are sufficient and mostly recent. Nevertheless, integrating additional recent literature specifically discussing health impacts related to microplastic ingestion through drinking water would enrich the discussion, such as publications from 2023-2024 focusing on health outcomes. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The manuscript is generally suitable for scholarly communication, but certain sections require minor grammatical corrections and sentence restructuring for enhanced clarity and readability. |  |
| Optional/General comments | Overall, the study effectively addresses a timely environmental concern with strong methodological rigor. Including recommendations for future research directions and practical policy suggestions would enhance its value for both scientists and policymakers. |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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?** | *(If yes, Kindly please write down the ethical issues here in detail)* |  |

**Reviewers:**

**Iqtiar Md Siddique, The University of Texas, Texas , USA**