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| Journal Name: | [**International Journal of Environment and Climate Change**](https://journalijecc.com/index.php/IJECC) |
| Manuscript Number: | **Ms\_IJECC\_133347** |
| Title of the Manuscript: | **The AI-powered Cleanup: A Revolution in Solid Waste Management** |
| Type of the Article | **Review** |

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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 work is significant to the scientific community because it addresses the major worldwide issue of solid waste management and investigates the potential for AI to transform current procedures. It presents a detailed review of how AI can be used to improve waste collection, segregation, recycling, and disposal, resulting in more sustainable and effective SWM. | Nil |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **yes** | Nil |
| 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 of the paper appears to be comprehensive, but author can improvise by adding a brief info of the AI techniques or applications explored in this paper and secondly put some light on challenges like data quality, cost implications. | ***Reviewer‘s suggestions have been incorporated and highlighted.*** |
| Is the manuscript scientifically, correct? Please write here. | Yes | Nil |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Yes | Nil |
| Is the language/English quality of the article suitable for scholarly communications? | Yes | Nil |
| Optional/General comments | **NIL** | Nil |

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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.* | ***This study does not involve any ethical concerns*.** |