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| Journal Name: | [**Asian Journal of Medical Principles and Clinical Practice**](https://journalajmpcp.com/index.php/AJMPCP) |
| Manuscript Number: | **Ms\_AJMPCP\_137311** |
| Title of the Manuscript: | **ENVIRONMENTAL CARCINOGENS AND THE FUTURE OF CANCER PREVENTION: LEVERAGING GENOMIC SURVEILLANCE AND ARTIFICIAL INTELLIGENCE IN PUBLIC HEALTH** |
| Type of the 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 review highlights how the integration of genomic surveillance and artificial intelligence has revolutionized the field of cancer prevention, providing the opportunity and tools to detect and mitigate the effects of environmental carcinogens. AI technologies have made it possible to interpret complex data sets such as genomic profiles, environmental exposure records and clinical histories, especially with machine learning and deep learning. This is very significance in the scientific community. This paper carefully analyzed the challenges that exist which includes, data privacy, genetic discrimination, algorithm bias, limited funding and infrastructure gaps in low resource settings and this collectively calls for policy reforms, international cooperation, interdisciplinary collaborations and engagement in community activities, which plays added importance** | Noted |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **YES** | Noted |
| 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. | **YES** | Noted |
| Is the manuscript scientifically, correct? Please write here. | YES | Noted |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | SUFFICIENT | Noted |
| Is the language/English quality of the article suitable for scholarly communications? | YES | Noted |
| Optional/General comments | **A GOOD REVIEW** | Noted |

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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)* | None |