

Review Form 3

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|--------------------------|---|
| Journal Name: | Journal of Advances in Medicine and Medical Research |
| Manuscript Number: | Ms_JAMMR_122685 |
| Title of the Manuscript: | Advanced Approaches and Future Innovations in Urine Toxicology: Safeguarding Against Sample Manipulation |
| Type of the Article | |

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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Important Policies Regarding Peer Review

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PART 1: Review Comments

| Compulsory REVISION comments | Reviewer's comment | Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
|---|---|---|
| Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part. | This manuscript is significant to the scientific community, particularly in the fields of clinical and forensic toxicology. It addresses a critical and timely issue, the manipulation of urine samples, which poses a major challenge to the accuracy and reliability of toxicological analyses. The manuscript is commendable for its comprehensive review of advanced detection technologies and innovative approaches, such as the integration of omics technologies and AI, which are essential for maintaining the integrity of urine testing. I appreciate the manuscript's depth, its exploration of both current practices and future trends, and its consideration of the ethical and legal implications, which adds a well-rounded perspective to the discussion. | |
| Is the title of the article suitable? (If not please suggest an alternative title) | The title of the article is generally suitable as it reflects the content and focus of the manuscript on advanced approaches and future innovations in urine toxicology, particularly in the context of safeguarding against sample manipulation. However, if an alternative title is needed for enhanced specificity and impact, I would suggest: Innovative Strategies and Emerging Technologies in Urine Toxicology: Protecting Test Integrity Against Sample Manipulation | |
| 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. | Overall, the abstract is well-crafted, but with minor adjustments, it could be even more impactful and informative. The abstract is too lengthy, you might consider removing less critical details or condensing sentences to maintain a concise and focused summary. | |
| Are subsections and structure of the manuscript appropriate? | including a subsection that presents case studies or practical applications of the discussed technologies in real-world scenarios could enhance the manuscript's relevance and provide concrete examples of how these innovations are being implemented. Overall, the structure is solid, but minor adjustments could further enhance the manuscript's clarity, depth, and impact. | |
| Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part. | This manuscript is scientifically robust and technically sound, as it thoroughly explores the latest advancements in urine toxicology with a strong foundation in current research and methodologies. The authors have effectively integrated cutting-edge technologies, such as omics approaches and artificial intelligence, into the discussion, demonstrating a deep understanding of their applications and potential in detecting sample manipulation. The manuscript also thoughtfully addresses the ethical and legal implications, adding a critical dimension to the technical discourse. Overall, the careful consideration of both existing practices and future innovations ensures that the manuscript is well-grounded in scientific principles and contributes meaningfully to the field. | |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. - | The references in the manuscript appear to be both sufficient and recent, covering a broad range of studies that support the discussion of advanced technologies in urine toxicology. The use of up-to-date references ensures that the manuscript reflects the current state of research and technology in this field. | |
| Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications? | There are some language errors in the manuscript. I suggest the author improve the language | |
| Optional/General comments | Overall, the manuscript is well-structured and provides very informative content. The references are formatted according to the journal's guidelines. I also suggest that the authors include some illustrative figures related to the cutting-edge technologies mentioned in the manuscript, as these would highlight the novelty of the work. | |

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PART 2:

| | Reviewer's comment | Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
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| Are there ethical issues in this manuscript? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | |

Reviewer Details:

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|----------------------------------|-------------------------|
| Name: | Muhammad Bilawal |
| Department, University & Country | Pakistan |