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| Journal Name: | [**Current Journal of Applied Science and Technology**](https://journalcjast.com/index.php/CJAST) |
| Manuscript Number: | **Ms\_CJAST\_134464** |
| Title of the Manuscript: | **Application of Data Analytics in Food Quality Control: Enhancing Decision-Making for Contamination Prevention** |
| 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 *(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 addresses a critical gap in food safety by systematically evaluating how data analytics, AI, and blockchain can mitigate contamination risks. It provides actionable insights into integrating predictive modeling, IoT, and traceability systems | This paper is very relevant for the scientific community; it includes important real-life case studies that emphasize the need for practical application of data analytics in food safety. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The title is suitable and accurately reflects the manuscript’s focus which is food quality control. However, to emphasize the **preventive** aspect, consider:  *Data-Driven Food Safety: Leveraging Analytics and AI for Proactive Contamination Prevention in Global Supply Chains.* | Yes, it is. I have, however, revised and made it concise and more focused |
| 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 but could enhance clarity and specificity:   * Include: Mention key technologies (e.g., IoT, blockchain) and their direct impact (e.g., reduced recall times, improved traceability). * Include quantitative outcomes from case studies (e.g., “predictive analytics reduced contamination risks by X% in dairy”). Include some numbers or Percentage to give more impact on the findings. | Yes, the Abstract is comprehensive. |
| Is the manuscript scientifically, correct? Please write here. | The manuscript is scientifically sound, supported by recent studies and case examples. | Yes, it is |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | References are recent (2019–2024) and relevant. | Yes, References are relevant |
| Is the language/English quality of the article suitable for scholarly communications? | The language is suitable for scholarly communication but requires minor edits. Ensure consistent use of commas and avoid redundancy. | Yes, it is suitable, as I have made further corrections to the typographic and grammatical errors |
| Optional/General comments | This manuscript is a valuable contribution to food safety literature. With targeted revisions, it will serve as a robust reference for advancing data-driven contamination prevention strategies. It provides great insight on the topic which is very relevant in 21st Century of fast paced world driven by technology. |  |

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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)* | No |