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| Journal Name: | [**European Journal of Nutrition & Food Safety**](https://journalejnfs.com/index.php/EJNFS) |
| Manuscript Number: | **Ms\_EJNFS\_140033** |
| Title of the Manuscript: | **Food safety in the digital age: Blockchain technology for enhanced quality management** |
| Type of the Article | **Review 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 manuscript presents a timely and comprehensive review of the use of blockchain technology to enhance food safety and traceability. With food fraud and safety being global concerns, especially in the wake of globalization and online food delivery, this article addresses an urgent need for technological intervention. It synthesizes relevant literature, showcases global applications, and explores implementation frameworks, making it valuable for policymakers, researchers, and industry professionals. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Yes, the title is clear, relevant, and concise. It accurately reflects the scope of the manuscript. |  |
| 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 too long and lacks structure.  It should be divided into brief parts (Background, Objective, Method, Key Findings, Conclusion).  Several grammatical errors are present (e.g., "This paper is talk about" should be "This paper discusses").  Terms like "interplanetary file system" need clarification or removal unless technically explained. |  |
| Is the manuscript scientifically, correct? Please write here. | The manuscript is scientifically correct and well-supported by references. It logically discusses blockchain components, consensus algorithms, smart contracts, and food safety integration. However, redundancy and lack of synthesis in some areas reduce clarity. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Adequate references are included, many from the last five years. Some sentences are overloaded with citations; selective referencing may improve readability. |  |
| Is the language/English quality of the article suitable for scholarly communications? | Needs improvement.  Issues with grammar, sentence structure, and wordiness are present throughout the manuscript.  Examples: "Blockchain is collection of blocks" → should be "Blockchain is a collection of blocks";  Consistent use of articles ("the blockchain", not "blockchain") and tense corrections are necessary. |  |
| Optional/General comments | The manuscript is long and sometimes unfocused.  Consider breaking it into thematic sections more clearly (e.g., Technical background, Applications, Challenges, Case studies).  Graphs/figures should have proper captions and references.  Repetitions should be minimized (some points about food safety and blockchain benefits are repeated across multiple sections). |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(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)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewer details:**

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