

*Research Article / Review Article / Case Study (select one as appropriate)*

## **Title should be precise and brief in around 15 words. Please avoid the Use of Non-Standard Abbreviations**

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### **Abstract**

A concise non-structured abstract is required (approximately from 200 to 250 words). For layout purpose, please keep the abstract only in one page of this template. The abstract should state briefly the purpose of the research, the principal results and major conclusions. Abstract must be able to stand alone. References should be avoided. Non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself. Five key words should be listed alphabetically after the abstract. Keywords should be self-sufficient to allow the classification of the paper by subject area and to function as heads in a volume's index of keywords. Choose them according to Index Medicus, do not merely duplicate words from the title.

**Keywords:** Keyword 1; keyword 2; keyword 3; keyword 4; keyword 5.

### **Introduction**

The Introduction should clearly present the background, rationale, and objectives of the research. Authors are expected to explain the context of the study, identify the problem or knowledge gap, and state the significance and goals of the research. Relevant literature may be included to support the background, but should be used selectively and purposefully. All references must be cited in sequential order as they appear in the text, following the IEEE citation style using numbered brackets (e.g., [1], [2]). Ensure that each citation corresponds to a full reference in the list at the end of the manuscript. To maintain consistency and accuracy in referencing, authors are strongly encouraged to use reference management tools such as Mendeley, Zotero, Citavi, or similar software. Avoid excessive or outdated references; prioritize recent and high-quality scientific publications to establish a strong and relevant foundation for the study.

### **Materials and Methods**

The Materials and Methods section should provide a detailed and replicable description of how the study was conducted. Authors must clearly describe the materials, data sources, tools,

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procedures, and methodologies used in the research. This includes experimental design, data collection techniques, analytical methods, and software or tools employed.

All methods must be described with sufficient detail to allow other researchers to reproduce the work. If established methods are used, cite the original sources. Any modifications to existing methods should be clearly stated. For studies involving statistical analysis, specify the statistical tests used and define significance levels. Where applicable, include information on ethical approval and consent procedures.

## Results

The Results section should present the findings of the study clearly and concisely, followed by an in-depth interpretation and analysis. Authors should use tables, figures, or charts where appropriate to enhance clarity and support the narrative. Ensure that all data presented are relevant to the research objectives and are described without redundancy.

In the discussion, authors should critically interpret the results, compare them with previous studies, highlight consistencies or discrepancies, and explain possible reasons for the findings. Emphasize the significance of the results, their implications for theory or practice, and any limitations that may affect their generalizability. Avoid restating data already presented in earlier sections; instead, focus on thoughtful analysis and synthesis.

### Figures format

All figures must be numbered sequentially using the format Figure 1, Figure 2, and so on, in the order they appear in the text. Each figure should be placed appropriately within the manuscript, close to the relevant discussion, and clearly referred to in the body of the text.

Figures must be of high quality, with a minimum resolution of 300 dpi, not pixelated or blurry, to ensure clarity in both print and digital formats. If a figure is not the author's original work, proper credit must be given by including the source clearly in the caption. Authors are responsible for obtaining permission to use any third-party images.



**Figure 1.** Name of the figure (Source: the figure)

### Table Format

All tables included in the manuscript must be editable and created using the word processor's table function. Do not use images, screenshots, or embedded objects for tables. The content

within each table should be written in a clear and consistent format, using proper alignment and standard font styles.

Tables must be named sequentially (e.g., Table 1, Table 2, etc.) based on their order of appearance in the text. Each table should have a descriptive caption placed above the table, clearly explaining its content without the need to refer back to the main text. Ensure that all tables are cited and discussed within the manuscript.

**Table 1.** Sample of Table

| No | Sample | Value   |
|----|--------|---------|
| 1  | AAAA   | 0000*   |
| 2  | BBBB   | 1234**  |
| 3  | CCCC   | 1234*** |

\*If there is any additional information

## Discussion

The Discussion section should interpret and analyze the results presented in the Results section. Authors are advised to base their discussion on the findings and avoid introducing new data or results not previously presented. This section should highlight the implications of the results, compare them with previous studies, and explain any similarities, differences, or unexpected findings. Authors should also consider the limitations of their study and suggest possible directions for future research. The discussion should be clear, concise, and rooted in the data, ensuring that all claims are supported by the results presented in the manuscript.

## Conclusion

The Conclusions section should summarize the main findings of the study and their implications. Authors should briefly reiterate the key points discussed in the manuscript, highlighting the significance of the results and their contribution to the field. Avoid introducing new information or discussions. The conclusions should be clear, concise, and provide a final takeaway for the reader.

## Acknowledgments

In this section, authors should acknowledge individuals or organizations that contributed to the research but do not meet the authorship criteria. This may include funding sources, technical assistance, or guidance.

## Conflict of Interest

It should disclose any financial or non-financial interests such as political, personal, or professional relationships that may be interpreted as having influenced the manuscript. The phrase "The authors declare no conflicts of interest" should be included if there is no conflict of interest.

## Author Contribution Statement

All listed authors must have made a significant scientific contribution to the research in the manuscript, approved its claims, and agreed to be an author. It is important to list everyone

who made a significant scientific contribution. Provide at minimum one contribution for each author in the manuscript and use the [CRediT taxonomy](#) to describe each contribution.

*Sample CRediT author statement:* **John Doe:** Conceptualization, Methodology, Software. **Jane Smith:** Data curation, Writing- Original draft preparation. **Jake Baker:** Visualization, Investigation. **Alan Doe:** Supervision. **John Smith:** Software, Validation. **Susan Baker:** Writing- Reviewing and Editing..

## Data Availability Statement

The source of data and materials should be mentioned in the manuscript, in support of the findings. If the data source is not revealed, the authors need to clearly state the reasons. Authors who do not wish to share their data should clearly state that the data will not be shared, and give the reasons. The statement relating to the data should be presented in the following format (example): "The data used to support the findings of this study are included within the article".

## Ethics Approval

The ethical approval statement should be provided including the consent. If not appropriate, authors should state: "Not required."

## References

- [1]. J. Smith and A. Brown, "Title of the article," Journal Name, vol. 23, no. 4, pp. 345-356, 2020.
- [2]. M. Johnson, "Book title," Publisher, 3rd ed., 2018.
- [3]. A. Wang, "Title of the paper," presented at the Conference Name, Location, 2019.