

REVIEWER'S REPORT

Manuscript No.: IJAR- 53478

Date: 22-08-2025

Title: Algorithmic Warfare: Next Generation Hybrid Warfare Strategy

Recommendation:

Accept as it is

Accept after minor revision ...✓.....

Accept after major revision.....

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality			✓	
Clarity			✓	
Significance			✓	

Reviewer Name: **Sudhanshu Sekhar Tripathy**

Date: 22-08-2025

Reviewer's Comment for Publication.

(To be published with the manuscript in the journal)

The reviewer is requested to provide a brief comment (3-4 lines) highlighting the significance, strengths, or key insights of the manuscript. This comment will be Displayed in the journal publication alongside with the reviewer's name.

Reviewer's Comment for Publication

The manuscript offers a thought-provoking analysis of the role of social media algorithms in hybrid and algorithmic warfare. By examining state-sponsored disinformation, propaganda, and psychological operations, the paper underscores the risks of algorithm manipulation as a strategic weapon in modern conflicts. The inclusion of real-world case studies (Ukraine, Israel-Hamas, U.S. elections) makes the work timely, relevant, and impactful for both academic and policy discussions.

Detailed Reviewer's Report

Recommendation: **Accept after minor revision**

Comments & Suggestions for Improvement

1. Scope & Relevance:

- The study addresses a highly significant and contemporary issue at the intersection of cybersecurity, geopolitics, and information warfare.

International Journal of Advanced Research

Publisher's Name: Jana Publication and Research LLP

www.journalijar.com

REVIEWER'S REPORT

- Strong contextualization of social media platforms (Facebook, TikTok, X, YouTube) as instruments in modern warfare.
- The proposed mitigation framework highlights the societal and international security implications.

2. Structure & Technical Presentation:

- The manuscript is well organized, with clear sections (Abstract, Introduction, Case Studies, Civilian Impact, Countermeasures, Mitigation Framework, Conclusion).
- Figures/illustrations are missing – a conceptual flowchart of the algorithmic warfare framework would significantly improve clarity.
- Headings could be numbered (1. Introduction, 2. Civilian Risk, etc.) for easier navigation.
- The writing is descriptive and engaging but would benefit from condensing long paragraphs into shorter, more focused sections.

3. Experimental / Analytical Details:

- Unlike empirical studies, this paper is conceptual and analytical. While this is acceptable, more detail on the methodology of case selection (Ukraine, Israel-Hamas, U.S. election) would improve transparency.
- The mitigation framework is thoughtful, but a comparative analysis of countermeasure effectiveness (technological, regulatory, societal) with metrics or case evidence would strengthen credibility.
- Adding examples of platform data analysis, bot detection studies, or content amplification statistics would bridge the gap between qualitative description and empirical evidence.

4. References & Citations:

- The bibliography is extensive, citing recent and relevant works (up to 2025).
- A few references (e.g., [11], [12]) could be better integrated into the discussion.
- Citation formatting is consistent but should follow uniform style (square brackets or author-year).

5. Language & Style:

- Generally well-written, though some sections are repetitive (e.g., multiple mentions of TikTok manipulation).

International Journal of Advanced Research

Publisher's Name: Jana Publication and Research LLP

www.journalijar.com

REVIEWER'S REPORT

- Minor grammatical issues: phrases such as “an the fuel to the viral success” should be corrected to “the fuel for viral success.”
- Ensure consistent tense throughout (switching between present and past sometimes disrupts flow).

6. Key Strengths:

- Timely focus on algorithmic manipulation as a strategic asset in hybrid warfare.
- Strong integration of geopolitical case studies.
- Balanced coverage of technological, regulatory, and societal countermeasures.
- Clear proposal for a multi-layered mitigation strategy emphasizing transparency, legal enforcement, and user education.

7. Areas for Improvement:

- Add a visual framework or flowchart summarizing “Algorithmic Warfare” mechanisms.
- Provide clearer methodological justification for selected cases.
- Expand discussion on ethical dilemmas (e.g., freedom of expression vs. regulation).
- Summarize countermeasure effectiveness in a comparison table for clarity.

Final Feedback to Author

This is a well-researched and highly relevant manuscript that makes an important contribution to understanding the weaponization of social media algorithms in hybrid warfare. To improve clarity and academic rigor, the authors should (i) provide a methodological note on case study selection, (ii) include a flowchart or conceptual diagram of the proposed framework, and (iii) condense repetitive sections for sharper readability. Addressing these revisions will greatly enhance the paper's clarity, accessibility, and impact.