

## REVIEWER'S REPORT

Manuscript No.: IJAR-51745

Date: 21/05/2025

**Title:** Methodological assessment of the effects of gender interest in aviation job careers.

### Recommendation:

**Accept after minor revision.**

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

Reviewer Name: Dr. Bishwajit Rout

Date: 21/05/2025

### 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 reviewers name.*

- Significance:** This study offers valuable insights into gender-specific interests and disparities in aviation career choices. It highlights critical methodological considerations for assessing gender influences in a male-dominated industry. The findings are timely, contributing to broader conversations about gender equity in STEM fields, particularly within aviation, and informing policy, training, and recruitment strategies to improve inclusion.
- Strength:** The study's strength lies in its structured methodological framework, supported by comprehensive literature review and focused thematic analysis. It offers practical and theoretical perspectives on gender-based occupational interest, making it relevant for educators, recruiters, and policymakers. Its focus on aviation a typically underexplored area in gender studies adds originality and practical relevance to the research landscape.
- Key Insight:** A key insight is that gender-based interest in aviation careers is shaped not only by individual aspirations but also by systemic factors such as exposure, societal norms, and institutional support. Understanding these drivers allows stakeholders to create targeted interventions that encourage greater female participation and retention in aviation, ultimately contributing to a more balanced workforce.

## **REVIEWER'S REPORT**

### ***Reviewer's Comment / Report***

The paper titled “*Methodological assessment of the effects of gender interest in aviation job careers.*” presents an important topic focused on understanding how gender-based interests influence the pursuit of careers in aviation, a traditionally male-dominated field. The manuscript aligns with current global discussions on gender equity and workforce diversification in STEM and aviation sectors. While the study demonstrates strong topical relevance and practical implications, improvements are needed in the structure, methodology explanation, and academic tone for clarity and scholarly rigor.

#### **Suggestions for Improvement:**

1. In introduction integrate recent statistics on gender representation in aviation.
2. Clearly define research questions or hypotheses at the end of the introduction to frame the study's direction.
3. In Literature Review provide critical analysis of gaps in prior studies, particularly those related to methodological limitations.
4. Clearly specify the research design (qualitative, quantitative, or mixed methods).
5. Include sampling method, participant demographics, instruments used, and data analysis techniques.
6. If a systematic or meta-analysis was performed, detail search strategy, timeframe, and criteria for selecting studies.
7. Present findings in a structured format with headings or tables where applicable.
8. Use visual aids (charts, tables) for clarity if survey or interview data is included.

This manuscript addresses a timely and relevant issue with strong societal and educational implications. Its focus on gender and aviation intersects with ongoing global efforts to increase female participation in STEM and transport-related sectors. With improvements in methodological clarity, academic language, and discussion depth, this paper is well-positioned for publication. Addressing the identified weaknesses will make it suitable for publication in IJAR.

I recommend this paper for publication after minor revision.