

REVIEWER'S REPORT

Manuscript No.: IJAR-53220

Date: 11-08-2025

Title: Economic Performance of the Scrap Industry and its Role in Waste Management and Pollution Control in India

Recommendation:

Accept as it isYES.....

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: Tahir Ahmad

Reviewer's Comment for Publication.

The paper titled *Economic Performance of the Scrap Industry and its Role in Waste Management and Pollution Control in India* addresses a topic of high environmental and economic relevance in the context of India's rapid industrialisation and increasing waste generation. The abstract effectively outlines the scope of the study, covering the economic significance of the scrap industry, its role in promoting a circular economy, and its contributions to pollution control. The articulation of its contributions to GDP, job creation, and resource efficiency provides a clear economic dimension alongside the environmental perspective.

The introduction situates the research within the broader framework of sustainable development and the circular economy, linking the waste management challenge to India's demographic and economic realities. Statistical references, such as the country's daily generation of 15,000 tonnes of solid waste, underscore the urgency and scale of the issue. The description of the scrap industry as an extensive yet largely informal network of waste pickers, dealers, and recycling units captures its socio-economic complexity.

The paper recognises the industry's multifaceted engagement with various waste streams, including plastics, metals, e-waste, and construction debris. The analysis draws attention to the dual ecological and economic benefits of the sector, from reducing extraction of virgin materials to lowering greenhouse gas emissions and conserving energy. The emphasis on the scrap industry's role in diverting materials from landfills reinforces its position as a cornerstone of India's emerging circular economy.

Overall, the study presents a coherent and well-structured account that integrates economic performance with environmental impact, offering a comprehensive understanding of the scrap industry's significance in India's sustainable development trajectory.

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