

REVIEWER'S REPORT

Manuscript No.: IJAR-54946

Title: A Comprehensive Study of Contemporary Advancements in Hybrid Renewable Energy Systems Incorporating Artificial Intelligence Methodologies

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: Dr Gulnawaz

Detailed Reviewer's Report

The manuscript provides an extensive literature-based overview of AI and machine learning applications in renewable energy domains, particularly highlighting forecasting models, solar power, hybrid systems, and emerging smart technologies. The topic is timely and aligns well with current global developments in sustainable energy and intelligent system integration. The paper contains a wide range of relevant concepts—including IoT, blockchain, AI models, energy storage methods, and smart grids—and includes a substantial number of recent references, making it a potentially valuable contribution. However, before the manuscript can be considered ready for publication, several refinements are necessary to strengthen clarity, organization, and academic presentation. The scope should be more clearly focused on hybrid renewable energy systems, and the research aim and contribution need to be articulated more explicitly. The structure would benefit from improved balance between sections, added subheadings, and smoother logical flow. Methodological transparency also needs enhancement by clarifying how the reviewed literature was selected and evaluated. Formatting

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inconsistencies, citation style variation, repetitive explanations, and occasional grammatical errors should be corrected to enhance readability and professionalism. The manuscript's strengths include its relevance, broad coverage of modern technologies, and useful tabular review, yet improvements in coherence, analytical depth, and overall presentation are required. With these minor revisions and academic polishing, the paper can evolve into a strong and publishable review on AI-driven hybrid renewable energy systems.