

Review Form 3

Journal Name:	Asian Journal of Research in Computer Science
Manuscript Number:	Ms_AJRCOS_127004
Title of the Manuscript:	THE TRANSFORMATIVE POTENTIAL OF ARTIFICIAL INTELLIGENCE AND COMPUTER SCIENCE IN PROMOTING ENVIRONMENTAL SUSTAINABILITY AND MITIGATING CLIMATE CHANGE
Type of the Article	

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This manuscript is important for the scientific community as it highlights AI's potential in tackling environmental challenges, promotes interdisciplinary collaboration, and guides future research. By detailing AI applications in ecosystem monitoring, energy optimization, and conservation, it offers a roadmap for integrating technology into sustainable development and climate action efforts.	
Is the title of the article suitable? (If not please suggest an alternative title)	Adding specific AI methods or techniques in title can enhance its clarity and completeness	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract is comprehensive, as it effectively covers the main objectives, methodology, and findings of the study. However, a few minor improvements could enhance its clarity and completeness: 1. Adding specific AI methods or techniques (e.g., machine learning, deep learning, remote sensing) used in environmental sustainability could provide more context for readers. 2. Challenges and Limitations: Briefly mentioning any challenges or limitations of using AI in sustainability (e.g., data quality, ethical concerns) would offer a more balanced view.	
Are subsections and structure of the manuscript appropriate?	The subsections and structure of the manuscript is appropriate.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The study aims to explore how AI intersects with environmental sustainability, primarily through its applications in computer science. The approach includes a review of existing literature and case studies, which indicates that the paper likely summarizes and analyzes previous research rather than conducting original experiments. The findings suggest that interdisciplinary collaboration is essential to fully leverage AI for sustainability, pointing to the necessity of cooperation between AI specialists, environmental scientists, policymakers, and other stakeholders.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. -	Few more references required like- "Machine Learning for Climate Change and Environmental Sustainability" by Inria (2023): This work examines AI-driven climate informatics, including machine learning applications for tracking climate anomalies and environmental forecasting, addressing key challenges like model transparency and ethical use.	
Minor REVISION comments	yes	
Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments	Overall article ok. "Machine Learning for Climate Change and Environmental Sustainability" by Inria (2023): This work examines AI-driven climate informatics, including machine learning applications for tracking climate anomalies and environmental forecasting, addressing key challenges like model transparency and ethical use.	

PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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