

Review Form 3

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| 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 (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|--|---|---|
| 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. | The transformative potential of artificial intelligence (AI) and computer science in promoting environmental sustainability and mitigating climate change is vast and multifaceted. As global environmental challenges intensify, these technologies offer innovative solutions across various sectors. AI and computer science hold significant promise for advancing environmental sustainability and combating climate change. By enabling more efficient use of resources, improving the development and deployment of renewable energy technologies, enhancing the accuracy of climate predictions, and supporting the circular economy, AI is helping to create a more sustainable future. As these technologies continue to evolve, they will play an increasingly pivotal role in addressing the urgent environmental challenges of our time. | |
| Is the title of the article suitable? (If not please suggest an alternative title) | Title can be modified | |
| 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. | Addition of few more points is suggested for abstract | |
| Are subsections and structure of the manuscript appropriate? | ok | |
| 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. | | |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. - | The rejection chart can be elaborated. Satellite imagery comparison can be extended with few more diagrams. | |
| Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications? | The phrase "transformative potential" is appropriate. Artificial intelligence (AI) and computer science (CS) are recognized as transformative technologies that have the potential to bring about significant change in many areas, including environmental sustainability and climate change mitigation. In recent years, AI has shown considerable promise in addressing complex environmental problems, making this claim scientifically valid. The word "transformative" is widely used in the scientific and technology communities to describe the disruptive and profound impact that AI and CS can have across various fields. | |
| Optional/General comments | The following points may be considered i) The Transformative Potential could be refined to "The Role" or "The Impact" if the intent is to focus on the practical application rather than speculative potential. This would make it less ambiguous and more grounded in current scientific progress. ii) Promoting Environmental Sustainability and Mitigating Climate Change are broad terms that cover a wide range of issues. It might be more specific to mention particular areas or challenges (e.g., "in energy systems," "in agriculture," or "in carbon reduction") if the focus of the content is narrower. | |

PART 2:

| | Reviewer's comment | Author's comment (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) |
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| 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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