

Review Form 2

Book Name:	Innovative Solutions: A Systematic Approach Towards Sustainable Future
Manuscript Number:	Ms_BPR_3724.16
Title of the Manuscript:	Prediction of Skin Diseases using AI
Type of the Article	Complete Book chapter

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.	I really appreciate this manuscript for its systematic approach to combining deep learning, image processing, and ensemble methods, which demonstrates a high potential for real-world clinical applications. They’re not only highlighting the current capabilities but also underscores the challenges and future research directions, making it a valuable contribution to advancing both AI and medical sciences.	
Is the title of the article suitable? (If not please suggest an alternative title)	If the manuscript emphasizes specific techniques or a particular application (e.g., clinical settings or certain AI methods like CNNs), the title could be slightly refined to highlight these aspects for added specificity and clarity	
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.	Yes it is comprehensive.	
Are subsections and structure of the manuscript appropriate?	The manuscript’s structure and subsections appear logical and appropriate, as they cover key areas relevant to a research study.	
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.	It is scientifically robust as it employs established artificial intelligence techniques, including convolutional neural networks and ensemble data mining, which are widely recognized for their effectiveness in image processing and classification tasks. The study demonstrates technical soundness by achieving high accuracy rates (88-100%) in predicting skin diseases, showcasing thorough experimentation and model evaluation. Additionally, the inclusion of diverse machine learning algorithms ensures a comprehensive comparison of methods. The discussion of challenges, such as dataset limitations and real-world applicability, further reflects a balanced and scientifically grounded approach.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	Sufficient but could be improved 1. Add More Recent High-Impact Studies: Incorporating cutting-edge work published in high-impact journals or conferences (e.g., <i>Nature Biomedical Engineering</i> , <i>IEEE Transactions on Medical Imaging</i> ) from 2023 or 2024, if available, could strengthen the literature review. 2. Expand on Clinical Studies: Include references focusing on clinical trials or real-world applications of AI in dermatology to enhance the practical relevance of the study. 3. Address Dataset Challenges: Add references discussing dataset limitations and augmentation strategies, such as works from the ISIC Challenge or similar datasets.	

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Minor REVISION comments	The language of the manuscript is generally clear and suitable for scholarly communication	
Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments	<p>While the manuscript mentions the need for further testing and improvement, providing more specific suggestions or examples for future research would strengthen the conclusion.</p> <p>The manuscript does not explicitly address potential ethical issues, but there are several that could be relevant to the study, especially given its focus on AI in dermatological diagnosis. While there are no overt ethical violations, the following points should be considered and possibly discussed in the manuscript:</p> <p><b>Potential Ethical Issues:</b></p> <ol style="list-style-type: none"><li><b>Data Privacy:</b> If patient images or clinical data were used, it is crucial to confirm that proper consent was obtained and that data were anonymized.</li><li><b>Bias and Fairness:</b> AI models may exhibit biases based on the datasets they are trained on</li></ol>	

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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

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