

Review Form 1.7

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_99619
Title of the Manuscript:	CONVECTION – DIFFUSION EQUATION OF GALACTIC COSMIC RAYS (GCR) IN THE ATMOSPHERE AND ITS ANALYTICAL SOLUTION BY USING PARKER TRANSPORT EQUATION
Type of the Article	Original Research Article

General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journaljamcs.com/index.php/JAMCS/editorial-policy>)

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PART 1: Review Comments

	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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. Yes, it is.</p> <p>2. Yes, it is suitable.</p> <p>3. No, it needs minor changes.</p> <p>4. Yes.</p> <p>5. Yes.</p> <p>6. No. I will suggest few latest references.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>1. Minor changes required. The manuscript should be checked again to fix any typos such as missing spaces and commas.</p>	
<p>Optional/General comments</p>	<p>1. What is GALACTIC COSMIC RAYS (GCR)?</p> <p>2. Write few lines on the PARKER TRANSPORT EQUATION?</p> <p>3. Can you add a section representing the Novelty of the problem and comparison of this work with previous studies?</p> <p>4. I suggest revising the abstract. The abstract should contain the summary of your work with best-achieved results from the performed analysis.</p> <p>5. The introduction is so short. Revise it. Cite these studies: https://doi.org/10.1016/j.cmpb.2020.105313, https://doi.org/10.1007/s10237-020-01338-z https://doi.org/10.1140/epjp/s13360-022-02796-3,</p> <p>6. Add nomenclature for all the symbols and abbreviations.</p> <p>7. Please use at least 3 non-linear complicated problems as an example.</p> <p>8. The introduction is so short. Cite all of these Jacobian matrix based studies to enhance your introduction: https://doi.org/10.1016/j.combiomed.2022.106250, https://doi.org/10.1140/epjs/s11734-022-00723-2 https://doi.org/10.1016/j.cjph.2022.11.022, Add keywords and conclusion section.</p>	

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

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