

Review Form 3

JournalName:	JournalofAdvancesinMathematicsandComputerScience
ManuscriptNumber:	Ms_JAMCS_126844
TitleoftheManuscript:	NumericalsolutionoffractionaldiffusionequationbyshiftedLegendreoperationalmatrixmethodandfractionallinearmulti-stepmethods.
TypeoftheArticle	

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PART 1: Review Comments

<u>Compulsory</u>REVISIONcomments	Reviewer'scomment	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>
<p>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.</p>	<p>This manuscript addresses the numerical solution of fractional diffusion equations, which is a significant area of research in applied mathematics and physics. The methods proposed, including the shifted Legendre operational matrix method and fractional linear multi-step methods, could provide valuable insights and tools for researchers working on similar problems. The findings may enhance the understanding of diffusion processes in various scientific fields.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title of the article is suitable as it clearly reflects the content and focus of the research. However, a more concise title could be considered, such as "An Efficient Numerical Approach for Fractional Diffusion Equations Using Shifted Legendre Operational Matrices and Multi-step Methods"</p>	
<p>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.</p>	<p>The abstract provides a good overview of the study; however, it could benefit from a brief mention of the key results or findings to give readers a clearer understanding of the manuscript's contributions. I suggest adding a sentence summarizing the main outcomes of the research.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>These subsections and overall structure of the manuscript are appropriate.</p>	
<p>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.</p>	<p>It would appear that the manuscript is well-grounded in science and has solid technical support. The writers have included sufficient rationale for their procedure, and the methodologies they used are well-established in the literature. There is no ambiguity in the presentation of the data, and the discussion places the results in the perspective of previous studies.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>The references cited in the manuscript are generally sufficient and relevant to the topic. However, I recommend including more recent studies from the last few years to ensure that the manuscript reflects the latest advancements in the field.</p>	
<p><u>Minor</u>REVISIONcomments Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The language and English quality of the article are generally suitable for scholarly communication. However, there are a few areas where clarity and precision could be improved. For instance, some sentences are overly complex and could be simplified for better readability.</p>	
<p><u>Optional/General</u>comments</p>		

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PART2:

	Reviewer's comment	Author's comment <i>(if agreed with the 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 did not identify any ethical issues in this manuscript.	

Reviewer Details:

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