Review Form 1.7

Journal Name:	**Asian Research Journal of Mathematics**
Manuscript Number:	**Ms_ARJOM_115297**
Title of the Manuscript:	**ON THE WAVELET-BASED GALERKIN FINITE ELEMENT TECHNIQUE FOR THE SOLUTION OF TIME-FRACTIONAL ADVECTION-DIFFUSION PROBLEMS**
Type of the Article	

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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)*
Compulsory REVISION comments **1. Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) **2. Is the title of the article suitable?** (If not please suggest an alternative title) **3. Is the abstract of the article comprehensive?** **4. Are subsections and structure of the manuscript appropriate?** **5. Do you think the manuscript is scientifically correct?** **6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	**Yes. It is, but there are big issues with the presentation of the work, e.g, proper equation numbering is completely missing, some expressions are very poorly written, they need to be rechecked and rectify with sincerity. Also, relevant references are missing in the introduction part. Conclusion part of the chapter is also weak, it should be more explorative. The authors are required to revise their chapter very seriously.** **Some more observations I have made are as follows:** **The authors are suggested to rectify the abstract of the manuscript by incorporating real world applications of the presented approach. In the introduction part of the chapter, the** **authors have used 'dependent variable, $0 \leqslant \zeta \leqslant 1$,', but this variable is not present in eqn.(1.1) or in any expression. The authors are suggested to incorporate relevant references for** Some studies have shown that differential equations are very significant in wide varieties of real life situations today. For example, in physics, differential equations can be applicable in modeling movement of particles in fluids or in the trajectory of a projectile; in biology, differential equations **.** **Equation numbers are not assigned to** Orthogonal polynomials are a class of polynomials $\eta_n(x)$ defined over an interval $[a, b]$, satisfying the orthogonal function $$\int_a^b \Lambda(x)\eta_i(x)\eta_j(x)dx = h_i\delta_{ij}$$ where $\Lambda(x)$ is the weight function, and δ_{ij} is the Kronecker delta defined as $$\delta_{ij} = \begin{cases} 0, & i \neq j \\ 1, & i = j \end{cases}$$ **The authors are suggested to check eqn. 2.1, as some representation is not proper.** $eta_3(x) = \frac{1}{5}(14x^3 - 9x)$ **( )** **In 2.5, eqns. are not numbered. The authors are suggested to properly demonstrate the application of the proposed method, a general outline will not be very effective they need to incorporate proper and specific application.The authors need to recheck** Assuming $h - \int_{-1}^{1} MN(t)$, then it becomes **,as it seems incorrect.** **2.Yes** **3. Yes** **4. No** **5. No** **6.No**	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	English quality of the article is average and need to be improved.	
Optional/General comments	This article needs a very serious revision in almost each part. I suggest the authors to rectify their work according to the raised queries.	

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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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