

Review Form 1.6

Journal Name:	<a href="#">Journal of Advances in Mathematics and Computer Science</a>
Manuscript Number:	Ms_JAMCS_88923
Title of the Manuscript:	Analytical Solution of Linear Fractional Partial Differential Equation of Order $0 < \alpha \leq 1$ by Improved Adomian Decomposition Method
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:

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## Review Form 1.6

### **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)
<b><u>Compulsory</u></b> REVISION comments	<p>Authors employed Improved Adomian Decomposition Method to process Fractional Linear PDE. The paper is well-written and includes basic facts and concepts. Figures are appropriately labelled, and helpful legends are provided. The work was well done but results must be expanded. Language is good and need not to be modified. Authors must consider the following issues:</p> <ol style="list-style-type: none"><li>1. Solving other examples, nonlinear and nonhomogeneous.</li><li>2. Comparing their results with the other existing.</li><li>3. To enrich this paper and make it widely read, the following recent works must be cited:<ol style="list-style-type: none"><li>3.1. <a href="https://doi.org/10.3390/math7060550">https://doi.org/10.3390/math7060550</a></li><li>3.2. 10.5829/idosi.wasj.2012.18.11.1522</li><li>3.3. Revised reduced differential transform method using Adomian's polynomials with convergence analysis. <i>Mathematics in Engineering, Science and Aerospace (MESA)</i>. 2020; 11(4): 827-840</li><li>3.4. <a href="https://doi.org/10.12988/ams.2017.714">https://doi.org/10.12988/ams.2017.714</a></li><li>3.5. Modified Laplace decomposition method. <i>World Appl. Sci. J.</i> <b>2012</b>, 18, 1481–1486.</li><li>3.6. An approximate analytic solution for isentropic flow by an inviscid gas equations. <i>Arch. Mech.</i> <b>2014</b>, 66, 203–212</li><li>3.7. New applications of Adomian decomposition method. <i>Middle-East J. Sci. Res.</i> <b>2015</b>, 23, 735–740.</li><li>3.8. A new convergence proof of the Adomian decomposition method for a mixed hyperbolic elliptic system of conservation laws. <i>Appl. Math. Comput.</i> <b>2010</b>, 217, 4248–4256.</li><li>3.9. Construction of solutions for mixed hyperbolic elliptic Riemann initial value system of conservation laws. <i>Appl. Math. Model.</i> <b>2013</b>, 37, 6018–6024.</li></ol></li></ol>	<p>Surely we must consider given issues.</p> <p>Given references are added in the manuscript.</p>
<b><u>Minor</u></b> REVISION comments		
<b><u>Optional/General</u></b> comments		

### **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?	<u>No</u>	

