

## Review Form 1.6

Journal Name:	<b>Journal of Advances in Mathematics and Computer Science</b>
Manuscript Number:	<b>Ms_JAMCS_93867</b>
Title of the Manuscript:	<b>Coupling the SBA method and the Elzaki transformation to solve nonlinear fractional differential equations</b>
Type of the 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 '**lac k of N o velt y**', 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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**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><b>Compulsory</b> REVISION comments</p>	<p>Author(s) employed EIZaki transform in SBA method for tackling Caputo-type fractional ODEs and PDEs. Basic facts and concepts are included.                      The procedure of the suggested method is clarified. Many examples were solved using this method and error analyses discussed numerically.                      Riccati and Diffusion ODEs, Bureger, and KdV PDEs were processed with sufficient errors.                      The paper is readable and it can be recommended for accepting in the journal after consider the following issues</p> <ol style="list-style-type: none"> <li>1. Abstract and conclusion must be modified to contain more about the contents.</li> <li>2. References list is very poor. Modifying this list opens the doors to the paper, as well as the journal and publisher. Author(s) must cite more recent works, I suggest the following to enrich the paper and for comparison purpose:                         <ol style="list-style-type: none"> <li>2.1. Analytic simulation for 1D Euler-like model in fluid dynamics. <i>Journal of Advanced Physics</i>, 7(3), 330-335. (2018).</li> <li>2.2. A reliable analytic study for higher-dimensional telegraph equation. <i>J. Math. Comput. Sci</i>, 18(4), 423-429. (2018)</li> <li>2.3. Numeric-analytic solutions for nonlinear oscillators via the modified multi-stage decomposition method. <i>Mathematics</i>, 7(6), 550. (2019).</li> <li>2.4. The residual power series method for the one-dimensional unsteady flow of a van der Waals gas. <i>Physica A: Statistical Mechanics and its Applications</i>, 517, 188-196. (2019)</li> <li>2.5. Semi-analytic treatment of mixed hyperbolic–elliptic Cauchy problem modeling three-phase flow in porous media. <i>International Journal of Modern Physics B</i>, 35(29), 2150293. (2021)</li> <li>2.6. On the reduced differential transform method and its application to the generalized Burgers-Huxley equation. <i>Applied Mathematical Sciences</i>, 8(177), 8823-8831. (2014)</li> <li>2.7. On the convergence of variational iteration method for solving systems of conservation laws. <i>Trends in Applied Sciences Research</i>, 10(3), 157. (2015)</li> <li>2.8. Revised reduced differential transform method using Adomian's polynomials with convergence analysis. <i>Mathematics in Engineering, Science &amp; Aerospace (MESA)</i>, 11(4). (2020)</li> <li>2.9. Analytic treatment for generalized (m+ 1)-dimensional partial differential equations. <i>Journal of the Korean Society for Industrial and Applied Mathematics</i>, 22(4), 289-294. (2018)</li> <li>2.10. Exact analytic solutions for nonlinear diffusion equations via generalized residual power series method. <i>International Journal of Mathematics and Computer Science</i>, 14(1), 69-78. (2019)</li> <li>2.11. Modified Adomian-Rach decomposition method for solving nonlinear time- dependent IVPs. <i>Applied Mathematical Sciences</i>, 11(8), 387-395. (2017)</li> </ol> </li> </ol>	
<p><b>Minor</b> REVISION comments</p>		

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<b>Optional/General</b> comments	<b>Please send the revised version.</b>	
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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

Name:	<b>Emad Ahmad Az-Zo'bi</b>
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