

**Review Form 1.7**

Journal Name:	<b>Journal of Advances in Mathematics and Computer Science</b>
Manuscript Number:	<b>Ms_JAMCS_113446</b>
Title of the Manuscript:	<b>MATHEMATICAL INVESTIGATION OF OPTION PRICING USING BLACK- SCHOLES-MERTON PARTIAL DIFFERENTIAL EQUATION WITH TRANSACTION COST</b>
Type of the Article	<b>Research article</b>

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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>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1) <b>Yes, important for scientific community. Because These results are useful to the investors in computing possible returns on investment based on more accurate asset pricing and to the government on policy formulation in controlling prices in stock exchange market.</b></p> <p>2) <b>Yes, the title of the article is suitable.</b></p> <p>3) <b>Abstract in the current form is not enough. Must Revise.</b></p> <p>4) <b>Subsections and structure of the manuscript is not appropriate. Must revise.</b></p> <p>5) <b>Yes, the manuscript is scientifically correct.</b></p> <p>6) <b>Yes, the references are sufficient and recent</b></p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>Minor revision</p>	
<p><b>Optional/General</b> comments</p>	<p>1) Add the "paper construction" paragraph in the last of introduction section.</p> <p>2) Highlight the aim and novelty of your work.</p> <p>3) Why authors are doing this work? What is the hurdle encountered by this study?</p> <p>4) The authors should also check for any grammatical errors throughout the paper.</p> <p>5) Remove the typos errors throughout the paper.</p> <p>6) Add the Scope of your investigated study for the reader's interest.</p> <p>7) What are geometrical interpretation of your investigated work.</p> <p>8) Please include a new section to discuss about the "Limitations of the research" because it is currently missing.</p> <p>9) various vital approaches for determining the solutions of the governing equations have been mentioned but some of the newly developed techniques may be added and discussed instead of only nominating them like Kudryashov method (10.1016/j.rinp.2021.104228), generalized auxiliary equation technique (10.1016/j.rinp.2021.104411), fractional iteration algorithm (10.1016/j.rinp.2020.103462, 10.1155/2020/8829017), Variational Iteration algorithm-I (10.1177/1461348418823126, 10.3390/axioms8040119), Variational iteration algorithm-II (10.1155/2020/8841718, 10.1016/j.matcom.2020.04.005), Riccati transformation method (10.3390/math8050728), meshless techniques (10.2298/TSCI20S1095A, 10.1016/j.rinp.2020.103385), modified (G'/G)-expansion method (10.1016/j.rinp.2021.104666)</p> <p>10) Add the some research Gap.</p>	

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<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:**

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