

## Review Form 1.7

Journal Name:	<a href="#">Journal of Advances in Mathematics and Computer Science</a>
Manuscript Number:	Ms_JAMCS_95898
Title of the Manuscript:	Solitons of the Jimbo- Miwa equation through the sine-Gordon expansion scheme
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:

(<https://www.journaljamcs.com/index.php/JAMCS/editorial-policy> )

### 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> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community? Yes</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable? yes</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive? I suggest a new Abstract, see the report</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct? yes</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. I suggest to add some recent related papers.</b></li> </ol> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p><b>The work is nice and can be published after considering these two issues:</b></p> <p><b>Issue 1.</b> I suggest to replace the abstract by this new one: (In this paper, we extract some novel solitary wave solutions in terms of hyperbolic functions to the Jimbo-Miwa model. The sine-Gordon expansion method is used to investigate the proposed model. By using graphycal analysis, we show the impact the solution's which are very impactful to explain the nature of the solitary wave. We believe that the findings of the current work will be useful in the field of solitons and solitary waves.)</p> <p><b>Issue 2.</b> Some related recent work and other effective schemes to find solitary wave solutions should be included in the literature review. I suggest the following:</p> <p>(a) New interesting optical solutions to the quadratic-cubic Schrodinger equation by using the Kudryashov-expansion method and the updated rational sine-cosine functions. Opt Quant Electron 54, 666 (2022).</p> <p>(b) New symmetric bidirectional progressive surface-wave solutions to a generalized fourth-order nonlinear partial differential equation involving second-order time-derivative. Journal of Ocean Engineering and Science (2022) <a href="https://doi.org/10.1016/j.joes.2022.06.021">https://doi.org/10.1016/j.joes.2022.06.021</a>.</p>	
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>		
<p><b>Optional/General</b> comments</p>		

### 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)
<p><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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**Reviewer Details:**

Name:	<b>Marwan Alquran</b>
Department, University & Country	<b>Jordan University of Science and Technology, Jordan</b>