

**Review Form 1.7**

Journal Name:	<b>Journal of Advances in Mathematics and Computer Science</b>
Manuscript Number:	<b>Ms_JAMCS_114520</b>
Title of the Manuscript:	<b>Numerical modeling of two-phase liquid-solid movement through pipes</b>
Type of the Article	

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**PART 1: Review Comments**

	<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)
<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><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p><b>Yes, the manuscript attempts to understand the flow of petroleum fluids through pipelines</b></p> <p><b>No, the word, numerical is misleading</b></p> <p><b>No, Needs elaboration</b></p> <p>Yes</p> <p>Yes</p> <p>Yes</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	Yes	
<p><b>Optional/General</b> comments</p>	<p>The entire document has very small paragraph, needs to corrected.</p> <p>The word numerical modeling refers to the use of software to characterize the flow. However, the manuscript does not provide any details of this. Instead it discusses the analytical equations and experimental approach.</p> <p>Equation 25 is confusing as the 2 phase discussed is that of solid and liquid, but we come across gas and liquid.</p> <p>The experiment uses water, does this substitute fluid same as the petroleum fluid ?. If so what is the thermophysical property difference between them.</p> <p>What is the scale of experiment that is performed ?</p> <p>The placement of obstruction in the form of metal objects in water flow is shown. Are these obstructions true representation of the 2 phases in the petroleum liquid.</p>	

**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)
<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:**

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