

**Review Form 1.7**

Journal Name:	<b>Journal of Advances in Mathematics and Computer Science</b>
Manuscript Number:	<b>Ms_JAMCS_119602</b>
Title of the Manuscript:	<b>Modelling Fluid Flow in Zone 1 of an Open Horseshoe Channel with Lateral Inflow Channels</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> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</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?</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<ol style="list-style-type: none"> <li>1. <b>Yes, the manuscript holds significant importance for the scientific community due to its novelty.</b></li> <li>2. <b>Title is quite appropriate for the manuscript.</b></li> <li>3. <b>Abstract can be precise and refined more with some results.</b></li> <li>4. <b>Must add one paragraph be in the manuscript at the last above references with heading as "Conclusion".</b></li> <li>5. <b>Yes, the manuscript is scientifically correct.</b></li> <li>6. <b>Some recent references can be added in the manuscript as:</b>                       Yadav, M., Kumar, S., Kaushik, A., Garg, R. K., Ahlawat, A., and Chhabra, D. (2023) "Modeling and simulation of piezo-beam structure mounted in a circular pipe using laminar flow as energy harvester". <i>International Journal of Engineering Trends and Technology</i>, <b>71</b>(2), 296-314.                       Yadav, M., Kumar, S., Kaushik, A., &amp; Chhabra, D. (2023) "Piezo-beam structure in a pipe with turbulent flow as energy harvester: Mathematical modeling and simulation". <i>Journal of The Institution of Engineers (India): Series D</i>, <b>104</b>(2), 739-752.                       Yadav, M., Yadav, D., Kumar, S., &amp; Chhabra, D. (2021) "State of art of different kinds of fluid flow interactions with piezo for energy harvesting considering experimental, simulations and mathematical modelling". <i>J. Math. Comput. Sci.</i>, <b>11</b>(6), 8258-8287.                 </li> <li>7. <b>A check for grammatical mistakes will improve the quality of the manuscript.</b></li> <li>8. <b>Improve the quality of figures.</b></li> <li>9. <b>In section 4.0 the equations must be typed it should not be in picture form.</b></li> <li>10. <b>Section 1.1 must be written again in structured form.</b></li> <li>11. <b>Alignment of numbering for all equations should be done in a proper way.</b></li> </ol> <p><b>If the all above mentioned changes can be done in the manuscript then the paper can be Accepted.</b></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>Language of the article can be improved for better citation of the article.</p>	

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<b>Optional/General</b> comments		
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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:**

Name:	<b>Mohit Yadav</b>
Department, University & Country	<b>Chandigarh University, India</b>