

**Review Form 1.6**

Journal Name:	<a href="#">Journal of Advances in Mathematics and Computer Science</a>
Manuscript Number:	Ms_JAMCS_81232
Title of the Manuscript:	Steady flow of blood plasma through a non-deformed artery.
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)
<b><u>Compulsory</u></b> REVISION comments	<p>The topic is interesting. it consists of developing a mathematical model with the aim of study the laminar flow of blood plasma through a non-deformed arterial segment.</p> <p>Nevertheless; The abstract and Introduction must be improved to highlight the problem addressed in relation to the work developed in this direction.</p> <ul style="list-style-type: none"><li>- what comparison can you give between the Casson model and the developed model?</li><li>- Can't we solve the problem with the Casson model? if not, what is the advantage of the formulation developed?</li></ul>	<p>-The Casson model talks about the flow of blood through the blood vessels. The blood is a non-Newtonian fluid; it is made up of blood plasma, which is the watery part of the blood and compounds like protein, glucose, hormones etc. Now, the blood plasma itself is a Newtonian fluid and so an approximation has to be made to the casson model, now that approximated model and the one I developed agree. In summary, to use the casson model an approximation has to be made.</p>
<b><u>Minor</u></b> REVISION comments	<ul style="list-style-type: none"><li>- In the end of the introduction, you can give an overview of the manuscript and give the main idea of each part of the paper.(In the second section, we present.....section 3 concern....)</li><li>- A few references are cited, you can add more references.</li><li>- you can introduce more references by showing the contribution of your work compared to the work carried out in this problem or a paragraph "bibliographical study"</li></ul>	
<b><u>Optional/General</u></b> comments	<ul style="list-style-type: none"><li>- The section "Mathematical formulation" is very long and contains several concepts and definitions. To allow the general public to assimilate and appreciate the manuscript, you can start by giving some definitions of concepts used (types of coordinates, operations with u...), propositions. Then, you can develop your result in the form of proposition or theorem.</li><li>-</li></ul>	

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**PART 2:**

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