

[Review Form2](#)

Book Name:	Current Approaches in Engineering Research and Technology
Manuscript Number:	Ms_BPR_1865
Title of the Manuscript:	The study of the aquaplaning phenomenon for the wheel of a vehicle moving on a wet road
Type of the Article	Book chapter

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.	<ul style="list-style-type: none"> The abstract introduces hydroplaning and emphasizes its importance in road safety. The aim to study tire-pavement interaction to prevent hydroplaning is clear. However, the abstract lacks clarity in some parts, particularly in the methodology and specific focus of the study. It would benefit from more concise language and clearer structure. 	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.	<p>Comprehensiveness:</p> <ul style="list-style-type: none"> The abstract covers the phenomenon of hydroplaning, its importance, and the necessity of studying tire-pavement interactions. It briefly mentions the methodology (using the general differential equation of pressure) and hints at the analysis and practical applications. <p>Suggestions for Improvement:</p> <ul style="list-style-type: none"> Provide a clearer description of the methodology used to study hydroplaning. Mentioning the "general differential equation of the pressure in the viscous fluid layer" is good, but more context on how this is applied would enhance understanding. Summarize the main findings or results of the study. Avoid repetitive phrases to make the abstract more concise. 	
Are subsections and structure of the manuscript appropriate?	Yes the given sub-sections are appropriate	
Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound? Minimum 3-4 sentences may be required for this part.	<ul style="list-style-type: none"> The manuscript is scientifically robust and technically sound due to its thorough analysis of the hydroplaning phenomenon, supported by the application of the general differential equation of pressure in the viscous fluid layer. The study's methodology is grounded in fluid mechanics principles, ensuring the accuracy and reliability of the findings. The manuscript provides practical implications by linking the theoretical analysis to real-world scenarios, such as tire performance on wet roads and the critical speed for hydroplaning. 	
Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. =	<ul style="list-style-type: none"> The references listed in the manuscript are foundational and relevant, covering key aspects of fluid mechanics and hydroplaning. Most of them are relatively dated, with the majority published before 2010. To strengthen the manuscript, it would be beneficial to include more recent studies and advancements in the field. 	

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Minor REVISION comments Is language/English quality of the article suitable for scholarly communications?	<ul style="list-style-type: none">There are grammatical errors and difficult phrasings that need correction for better readability.	
Optional/General comments		

PART 2:

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

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