

Review Form 1.6

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_84464
Title of the Manuscript:	Existence of positive solutions for the Kirchhoff type equations involving general critical growth in RN
Type of the Article	Original Research Article

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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)
Compulsory REVISION comments	<p>This paper needs revision as follows:</p> <p>1, page 4, replace “6” with the general critical exponent.</p> <p>2, What is the action of Lemma 2.2 ?</p> <p>3, For Lemma 2.6, $\lambda T^2 < 1$ is used to which place?</p> <p>4, what's the meaning of u^μ appearing Lemma 2.7?</p> <p>After revised these problems, I can recommended its publication.</p>	<p>Thank you very much for giving us an opportunity to revise our manuscript. Those comments are all valuable and very helpful for revising and improving our paper. According to the changes requested by the reviewer, we have revised the manuscript carefully and the answers are as follows:</p> <p>Responds to the reviewer' comments:</p> <p>1. page 4, replace “6” with the general critical exponent.</p> <p><i>Response: We have modified “6” to general critical exponent “2^*” in Page 4.</i></p> <p>2, What is the action of Lemma 2.2 ?</p> <p><i>Response: Lemma 2.2 shows that L_λ is bounded from below when $N \geq 4$ and λ is sufficiently large. Which leads to the boundedness of (PS) sequence for λ is sufficiently large and $N \geq 4$. However, we need to show our results for λ sufficiently small. Therefore, we need choose another method to overcome the main difficulty, that is to show the boundedness of (PS) sequence when $N=3,4$. For simplify, we consider the case $N \geq 3$. Indeed, if we give directly the lemma 2.2 and do not explain the action of Lemma 2.2, then it comes to be reasonable. Therefore, we have added the action of Lemma 2.2 in page 5.</i></p> <p>3.For Lemma 2.6, $\lambda T^2 < 1$ is used to which place?</p> <p><i>Response: We have checked it out. We have found that $\lambda T^2 < 1$ is not used in Lemma 2.6. So, we have deleted it. Similarly, we have found that $\lambda T^2 < 1$ is only used in Lemma 2.9. Therefore, we also have deleted the $\lambda T^2 < 1$ in Lemmas 2.7 and 2.8.</i></p> <p>4, what's the meaning of u^μ appearing Lemma 2.7?</p> <p><i>Response: The u^μ appearing Lemma 2.7 means a symbol, it represents the limit of sequences u_n^μ. Putting u^μ in the exponent part can indeed be misleading. So, we have changed u^μ to u_μ. And we have modified u_n^μ to $u_{\mu,n}$.</i></p>
Minor REVISION comments		
Optional/General comments		

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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)
Are there ethical issues in this manuscript?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	There are not ethical issues in this manuscript.