



SDI Review Form 1.6

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_50206
Title of the Manuscript:	Some Inequalities for the Extension of k-Gamma Function
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:

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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>Page 104, Theorem 6: Right hand side of inequality should be checked and corrected.</p> <p>Page 104, Proof of Theorem 6: First inequality in the proof is erroneous. Authors should check and correct.</p> <p>Page 105, Proof of Theorem 9: What are "a" and "b"? Is the "b" the same as the one appearing in $\Gamma_{b,k}$? I suggest that the authors delete "a=1/1-s" and "b=1/s".</p> <p>Page 106, Last sentence under Conclusion: Authors should check and rephrase the sentence. If the new results are particular cases of previous results, then there is no need for the new results. The sentence could be "The established results are generalizations of some previous results."</p> <p>Page 106: References: In Ref Item 3, Ref Item 9, Ref Item 10 and Ref Item 11, the authors should delete "et al" and list all the Author Names. "et al." is only used in in-text citation.</p>	<p>I checked and corrected Right hand side of inequality in Page 104, Theorem 6.</p> <p>I checked and corrected the first inequality in the proof of theorem 6.</p> <p>I deleted "a=1/1-s" and "b=1/s" on the proof of Theorem 9.</p> <p>I changed the last sentence under conclusion as "The established results are generalizations of some previous results."</p> <p>I checked all the references.</p>
Minor REVISION comments	<p>Page 101: In the proof of Theorem 1, "1.6" should be "(1.6)"</p> <p>Page 102: In Remark 1, in Proof of Corollary 1 and in Proof of Corollary 3: "theorem" should be "Theorem". Also, in Proof of Corollary 2, "log convexity" should be "log-convexity"</p> <p>Page 103, Proof of Theorem 2: "corollary 2" should be "Corollary 2"</p> <p>Page 103, Proof of Theorem 3: "1.5, 2.3, 2.4" should be "(1.5), (2.3), (2.4)"</p> <p>Page 104, Proof of Corollary 4: "theorem 5" and "lemma 2.5." should be "Theorem 5" and "Lemma 2.5."</p> <p>Page 104, Remark 2: "theorem 5", "theorem 3.9" and "corollary 3.10" should be "Theorem 5", "Theorem 3.9" and "Corollary 3.10"</p> <p>Page 105: Remark 3: "theorem 3.12" should be "Theorem 3.12"</p> <p>Page 105: Proof of Theorem 8: "corollary 1" should be "Corollary 1" Also, "equation (2.7)" should be "inequalities (2.7)"</p> <p>Page 106: References: To agree with the journal's format, I suggest the following.</p> <ul style="list-style-type: none"> - Ref Item 2: "Atugba, M-A.," should be "Atugba, MA.," - Ref Item 3: "Chaudhry, M-A" should be "Chaudhry, MA" - Ref Item 6: "Kokologiannaki C-G" should be "Kokologiannaki CG" - Ref Item 8: "Mitrinovic D-S." should be "Mitrinovic DS." <p>The authors should consider citing the following related and recent paper. T. A. Akugre and K. Nantomah, <i>On Some Properties of the Real Matrix-Variate Gamma Function</i>, International Journal of Mathematics And its Applications, 7(2)(2019), 97-103.</p>	<p>I agreed with reviewer.</p> <p>I consider the reference : T. A. Akugre and K. Nantomah, <i>On Some Properties of the Real Matrix-Variate Gamma Function</i>, International Journal of Mathematics And its Applications, 7(2)(2019), 97-103.</p> <p>Thank you.</p>
Optional/General comments		



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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?	<u><i>(If yes, Kindly please write down the ethical issues here in details)</i></u>	