

Review Form 1.7

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_111548
Title of the Manuscript:	A New Type of Bivariate-Gamma Probability Function
Type of the Article	Original Research Article

Review Form 1.7

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>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. In this manuscript, bivariate gamma distribution has been developed with their properties. 2. Yes 3. Expand the abstract. 4. Yes 5. Yes 6. No, add more references on Gamma distribution work. 7. Extend the literature of introduction and start with the univariate distribution and then write the utility of bivariate distributions. 8. Add the future scope. 9. Include the application section based on bivariate simulated data. 10. Add following references of Lindley distribution and Xgamma distribution of univariate random variable (Lindley and Xgamma distribution has mixing of two univariate gamma distribution.): <ol style="list-style-type: none"> 1. Shukla, S., Yadav, A. S., Rao, G. S., Saha, M., & Tripathi, H. (2022). Alpha Power Transformed Xgamma Distribution and Applications to Reliability, Survival and Environmental Data. <i>Journal of Scientific Research</i>, 66(3). 2. Tripathi, H., Yadav, A. S., Saha, M., & Shukla, S. (2022). A New Flexible Extension of Xgamma Distribution and its Application to COVID-19 Data. <i>Nepal Journal of Mathematical Sciences</i>, 3(1), 11-30. 3. Tripathi, H., & Mishra, S. (2022). The transmuted inverse xgamma distribution and its statistical properties. <i>International Journal of Mechanical Engineering, Kalahari Journals</i>, 7. 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<p>Improve English and correct the typos.</p>	
<p>Optional/General comments</p>		

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

Reviewer Details:

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