

Review Form 1.7

Journal Name:	Microbiology Research Journal International
Manuscript Number:	Ms_MRJI_96635
Title of the Manuscript:	Bioactive compounds from Mangosteen fruit peels (<i>Garcinia mangostana</i> L.) and assessment of their antioxidant potential
Type of the Article	Original Research

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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Bioactive compounds from Mangosteen fruit peels (<i>Garcinia mangostana</i> L.) and 2 assessment of their antioxidant potential</p> <p>Reviewer summary: The research study is conducted to answer the question (hypothesis) as to whether Cameroon Mangoteen extracts have chemical combinations (mixtures) that cause inhibition of radical oxidation (DPPH) by inhibitory concentration value determination (as compared to standard (positive), ascorbic acid), and also ferric iron reducing power and total antioxidant capacity determinations. There is the overall conclusion that there is anti-oxidant benefit for certain disease processes, whether primary or secondary.</p> <p>Reviewer assessment: This initial submission contains the sections to be reviewed as a research study; the study methods are written completely but there can be a Methods schematic. The figures show no control values (zero concentration and negative control. methanol that need to be included). Table 1 reports the data in weight/weight values as individual chemical composition is not known/reported, which need not in this case as the effect is overall (comment). The main concern is the data reported in Table 2 (as to its significance), and the reviewer has several questions that would need to be answered: i) what are the x- (independent) and y- variables; ii) what is the correlation coefficient (Pearson) and the sample size, and the determine determined t-score value statistic (for samples) for determination of the p-value; and iii) what is the model applied, all continuous values are applied, then the lm (formula = $y \sim x_1 + x_2 + \dots + x_n$, data = df) formula can be applied (R Studio) for y- extrapolations (when the x-variables are known), and the coefficients are reported (intercept for a prior variable effect, t-value and p-value). When the above are addressed then the summary schematic (diagram) can be more focused as to certain bioactive compound effects; the recommendation is revision for further consideration.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	n/a	
<p>Optional/General comments</p>	As noted above	

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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:

Name:	Hemant Sarin
Department, University & Country	National Institutes of Health, USA