



SDI Review Form 1.6

Journal Name:	<a href="#">Journal of Pharmaceutical Research International</a>
Manuscript Number:	Ms_JPRI_39326
Title of the Manuscript:	<b>The protecting effect of vitamin E against chromosomal damages induced by extremely low frequency electromagnetic field on bone marrow erythrocytes of male BALB/c mouse</b>
Type of the 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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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><b>Compulsory</b> REVISION comments</p>	<p><b>Introduction</b></p> <ol style="list-style-type: none"> <li><b>Page 2, Line 30:</b> "Several studies in different have been performed on----(2). Something is missing between different and have!!</li> </ol> <p><b>Materials and Methods</b></p> <p><b>Animals</b></p> <ol style="list-style-type: none"> <li>Food and water were also supplied. Add, ad libitum</li> </ol> <p><b>Experimental procedure</b></p> <ol style="list-style-type: none"> <li>200 mg / kg should be 200 mg / kg bw. Correct all such units throughout the manuscript.</li> <li>For the Experimental group "vitamin E was injected with dose of 200 mg / kg for 8 consecutive days and at 5th day, they mice were exposed to electromagnetic waves with intensity of 50 Gauss for 4 days 4 hours daily." Should it be "4 consecutive days" instead of "8 consecutive days"? If injection of vitamin E continued during the 4 days of electromagnetic waves treatment, then the explanation should be modified.</li> </ol> <p><b>Slide preparation</b></p> <ol style="list-style-type: none"> <li><b>Page 4, Line 83:</b> "Air-dried slides were fixed by absolute ALCOHOL for 5 minutes</li> </ol> <p><b>Scoring</b></p> <ol style="list-style-type: none"> <li>Also determine toxicity by also scoring the NCE then erythropoietic cell toxicity is measured as the PCE/(PCE + NCE).</li> <li>"The quantitative data were analyzed by SPSS software. P&lt;0.05 was considered statistically significant? What do you mean by quantitative data? Please be explicit. Usually the means for treatment groups are compared with that of the control group using some statistical method. Explain what method statistical analysis you used.</li> <li>Delete last sentence in this section</li> </ol> <p><b>Results</b></p> <ol style="list-style-type: none"> <li>In fig. 1, the Y-axis is wrongly labelled. Should be MNPCE/1000 PCEs</li> <li>In fig 1, Explain the meaning of the ** and *** in the figure legend.</li> <li>Determination of erythropoietic cell toxicity as measured by the PCE/(PCE + NCE), was not done</li> <li>What kind of interaction is displayed between the vitamin E and the electromagnetic waves? Synergism, antagonism or other?</li> </ol> <p><b>Discussion</b></p> <ol style="list-style-type: none"> <li>Delete first four paragraphs of discussion on page 5. It is irrelevant here or belongs in the introduction section.</li> <li>Page 6, lines 134: "There are a variety of experiences about-----waves" You mean experiments" If so correct this and all the others.</li> <li>Page 6, lines 143: "cells and reducing the total antioxidant status and Glutatune-----" Do you mean glutathione?</li> <li>Page 7, lines 148 – 151 should also be deleted</li> <li>Page 7, Lines 173: The results of this research match with the reports of "Ouanes, Robichova, Singha and Gonzalez ---"If these are names of authors, then reference properly and with dates.</li> <li>Page 8, lines 184-189 should be deleted.</li> <li>Page 8, lines 193-204 should also be deleted</li> <li>Page 9, lines 208: "Results of this research do not match with Hsieh's experiences" You mean experiments? And in what system?</li> <li>Page 9, lines 218: "cause the induction of cracking and end in DNA" What do you mean?</li> </ol>	<ol style="list-style-type: none"> <li>It was edited</li> <li>It was added</li> <li>It was edited</li> <li>Alcohol was added</li> <li>It was added</li> <li>This swntence was deleted</li> <li>it was edited</li> <li>it was mentioned</li> <li>antagonism effect</li> <li>It was edited</li> <li>It was edited</li> <li>It was edited</li> </ol> <p>The following of manuscript refer to these studies.</p> <p>It was deleted</p> <p>It was edited</p>



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<p><b>Minor</b> REVISION comments</p>		
<p><b>Optional/General</b> comments</p>	<p>The manuscript should be completely proof read and grammatical errors, which are many, should be corrected. The author(s) could read:</p> <ol style="list-style-type: none"><li>1. Asita AO and Molise T (2011) Antimutagenic effects of red apple and watermelon juices on cyclophosphamide-induced genotoxicity in mice. African Journal of Biotechnology, 10(77): 17763-17768. <a href="http://www.academicjournals.org/AJB/index.htm">http://www.academicjournals.org/AJB/index.htm</a></li><li>2. Asita Okorie Asita, Sello Moramang, Thabang Rants'o &amp; Sibusisiwe Magama (2017): Modulation of mutagen-induced genotoxicity by vitamin C and medicinal plants in Allium cepa L., Caryologia: International Journal of Cytology, Cytosystematics and Cytogenetics, 2017 VOL . 70, NO . 2, 151–165, <a href="http://dx.doi.org/10.1080/00087114.2017.1311166">http://dx.doi.org/10.1080/00087114.2017.1311166</a>.</li></ol>	