



**SDI Review Form 1.6**

Journal Name:	<a href="#">Journal of Pharmaceutical Research International</a>
Manuscript Number:	<b>Ms_JPRI_39326</b>
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	<b>Original research article</b>

**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)
<b>Compulsory</b> REVISION comments	<p>The use of the English language throughout the manuscript is often sub-standard which spoils the readability. One of the many examples is the third sentence of the Abstract which may be rephrased as follows: 'Vitamin E is a lipid-soluble antioxidant that plays an important role in maintaining the integrity and function of cell membranes, nervous system, and reproductive system, among others, by functioning as a defense against oxidative damage'.</p> <p>The authors are advised to have a native English speaker review the manuscript before resubmitting it.</p> <p>Materials and methods: The authors should indicate that they had obtained approval from an authoritative bioethics committee for carrying out studies with laboratory animals.</p> <p>Discussion: This section is too long; the authors are advised to write it up in a more concise manner.</p> <p>References: Some of the references should be adjusted according to the format of the journal. This holds true for, for instance, the references to the page numbers</p>	This sentence has been replaced
<b>Minor</b> REVISION comments	<p>The authors may consider to rephrase the title of their manuscript as follows: 'Protecting effect of vitamin E against chromosomal damage induced by an extremely low-frequency electromagnetic field in murine bone marrow erythrocytes'</p> <p>Materials and methods: The authors may consider to more clearly mention that polychromatic erythrocytes lack a nucleus, which implies that the presence of micronuclei in their normally anucleated cytoplasm signifies encapsulated DNA fragments, tell-tale indication of chromosome damage.</p>	<p>This title has been replaced</p> <p>It was mentioned</p>
<b>Optional/General</b> comments	<p>This study reports on the protecting effect of Intraperitoneally administered vitamin E on DNA damage caused by an extremely low frequency electromagnetic field (ELEM) in bone marrow erythrocytes of adult male BALB/c mouse. Using the micronucleus (MN) assay, ELEM was found to increase DNA damage in the erythrocytes judged by the increase in MN frequency, but this damage was counteracted by vitamin E judged by the statistically significant decrease in MN frequency in ELEM and vitamin E treated mice when compared to that in mice receiving ELEM alone.</p> <p>This is a well-conducted study that may be considered for publication The experiments carried out to test the starting hypothesis have been well-chosen and the rationale for conducting the study is sound. Indeed, we agree with the authors that their data are of relevance when considering that humans (and other living organisms) are today more than ever exposed to electromagnetic fields.</p> <p>However, when these comments have properly been taken care of, the manuscript may be considered for publication.</p>	