



SDI Review Form 1.6

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| Journal Name: | Physical Science International Journal |
| Manuscript Number: | 2014_PSIJ_12970 |
| Title of the Manuscript: | Effect of High Voltage on Texture, Color, and Growth of Aloe Vera Leaves |
| 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:

(<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) |
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| <u>Compulsory</u> REVISION comments | Although this manuscript presents experimental evidence that supports the damage of plants by the high voltage generator, the conclusion insists the positive effect of the tesla generator. This conclusion is not logically supported by the experimental data (Table 1). An opposite data should be presented for the growth enhancement, the case of lower electric field. A variance analysis may result indicating no significant difference between two exposed samples and one control. | Thanks for the critical remarks. Sir, the objective of our investigations was to only study how high voltage exposure affects the growth of plants in terms of texture, colour, length, and damage. The results indicate the positive effects on these parameters. The detailed comparison using statistical measures and tests will be taken care in our future investigations. |
| <u>Minor</u> REVISION comments | Expressions should be revised. For example, electric field is not countable. | The Expressions are thoroughly revised. |
| <u>Optional/General</u> comments | In a rectangular grounded cage, the equipotential surface and the spatial distribution of the electric field strength can be analysed by Laplace equation analysis. Two or three leaves of Aloe Vera faces the generator, but leaves in the opposite side faces ground potential experience lower electric field. | Sir, your observations are valid but for high external fields. In our experimentation, the external fields were not so intense and hence, there is no need of worrying about them. |

Reviewer Details:

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| Name: | Anonymous |
| Department, University & Country | Poland |