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SDI FINAL EVALUATION FORM 1.1

PART 1:

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**

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	**Authors' response to final evaluator's comments**
Reply of the authors to my opinion on their report is as follows: "we know that several researchers have talked about the effect of high voltages on plants in general but no report on their exact effect is available. In this paper, we have investigated the effect on a particular and important plant. We even do not know whether the other plants would show the similar results as the voltage bearing capacity may be a function of the shape, size, and constituents of the leaves as well." That surprising reply ignores my detailed remarks which, in fact, explain why there is limited number of published information on the effect of external electric field (EEF) on plants. Such observations carry very little, if any, interpretable information of the origin of the effect observed. Presented paper gave solely an evidence that EEF of applied parameters somehow influenced the appearance and texture of *Aloe vera,* that is, such EEF is not neutral to that plant. Flora of India is reach in a variety of plants. Authors can readily produce annually 100 and more similarly sound papers on effects of EEF on their appearance. However, their quantity will not project on the quality of the authors expertise. Conclusions presented in revised paper are, in fact, only a summary. As a matter of fact I am not surprised with such authors' approach because no valuable conclusion can be drawn from this study. It is clear that the authors as well as Editor of the journal deliberately want to have this paper published. In order to meet these demands I suggest the following solution. Indeed, the originality of this paper might result from the fact that this effect was checked for *Aloe vera* which is known for its biological significance in therapy and prophylaxis. However, the biological significance of the plant under study is not necessarily associated with its appearance and texture. One may assume that the exposure of the plant to EEF although manifested with spoiling its appearance can be beneficial for its biological activity. Thus, I am suggesting to the authors to announce their relevant studies on the time and voltage dependent effect of EEF upon the level of some biologically essential components of *A. vera.* **Assuming that authors will follow my suggestion** I am pointing to some minor shallows of the reviewed paper. The attachment contains the revised text with some details marked in yellow. They should be corrected. First of all, the plant under study was *Aloe vera* (in italics). Aloe Vera	

(written as in the paper) is a commercial name of some products based on extracts of the plant. Definitely, too frequently authors use the term Aloe Vera (should be *Aloe vera).* Instead, they can sometimes introduce: "that plant", "the plant under study" and so on. Line 27: should be *Allium cepa* Lines 29/30: use italics Line 38: *Brassica* Fig. 1 and related text are absolutely dispensable Figs. 3 and 5 are dispensable Line 116: plants Line 127: use "the exposure to the sunlight was practically identical". Term "almost", particularly in modern science, is unacceptable. Lines 159/161: the text is absolutely non-essential as a part of Conclusions References: standardize the style of citations of the titles. These in Refs 1,3,5,11,13,14 are in capital letters and the other in normal letters.	

Reviewer Details:

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