



SDI Review Form 1.6

Journal Name:	Asian Journal of Advances in Agricultural Research
Manuscript Number:	Ms_AJAAR_43734
Title of the Manuscript:	CHARACTERIZATION OF ENGINEERING PROPERTIES (ELECTRICAL PROPERTIES) OF RUBUS FRUTICOSUS
Type of the Article	Original research paper

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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SDI Review Form 1.6

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)
Compulsory REVISION comments	<p>The manuscript contains many technical and formal errors (highlighted in the text). The manuscript should exactly follow the Guidelines. Research paper normally should not exceed 25 double-spaced pages of text (including references) and should not contain more than 15 figures/tables. I have PDF version, which is single-spaced and has 16 pages. The manuscript contains 21 figures and tables.</p> <p>The abstract must be improved. Place and duration of study are missing. In abstract, the results are incomplete. English must be improved (e.g. lines 9, 11, ...). Nuts and nutshell are mentioned only in Abstract and in Conclusion, and authors did not measured them. The keywords should be with dot in the end, first letter in words Loss and Depth has not be capitalized (lines 19, 20). The words are to be separated by a semicolon. Do not indent the text at the beginning of paragraphs (lines 34, 42, ...).</p> <p>In the text, citations should be indicated by the reference number in brackets e.g. [1] (lines 28, 43, 61, ...).</p> <p>Between number and physical unit have to be a free space (e.g. lines 42, 146, 147, ...). Symbols for quantities in equations and in the text should be in italics (e.g. lines 92, 102, 104, 113, 115, ...).</p> <p>Materials and Methods section must be significantly corrected. The dielectric constant, this term is deprecated and sometimes only refers to the static, zero-frequency relative permittivity. Better will be relative permittivity. The part about electrical properties should be in section Introduction. In section Materials and Methods, measured material has to be described in detail, the origin of the samples, mass of samples, etc. In section Results and Discussion, we only know that authors measured long and short fruits. How did the authors manage to achieve such precise moisture values? Authors have to explain it. Description of sample holder is missing.</p> <p>Eqs. 2 and 3 are not correct. Loss tangent is expressed as a loss factor divided by relative permittivity. Do not use term dissipation factor in case of $\tan \delta$ (e.g. line 111), right will be loss tangent. If the loss tangent was calculated according to Eq. 3, the values are also incorrect and Figs. 5, 6 and, also regression equations in Table 5 must be recalculated. All equations should be numbered at the right-hand side of page.</p> <p>The figures and tables labelling should be with dot in the end, it means Fig. 1., Table 1., ... The figures and tables caption should be in bold. The caption of Figs. 1, 2, 3, 4 must be improved, e.g. instead of: "Figure 1: The dependence of Rubus Fruticosus long fruits (a) dielectric constant and (b) dielectric loss factor) on moisture content wet basis." (lines 131, 132), right will be: "Fig. 1. The dependence of Rubus Fruticosus long fruits (a) relative permittivity and (b) dielectric loss factor) on frequency at five various moisture content wet basis."</p> <p>Why authors did not used for the same dependencies the same regression equation? Why they did not find some model from literature?</p> <p>Why are the temperature values on the axis in reverse order in Fig. 6? Table 6 has to be improved, the used temperature must be added, and the font size must be modified because the numbers are in two lines. The statement "All values are in meters." is twice in footer of Table 6. On Fig. 7a, the description of the axis for penetration depth overlaps with the numbers. On Figs. 8a and 8b, instead of "oC" right will be "°C".</p> <p>According to my opinion, the section Conclusion needs to be expanded with the results of</p>	



SDI Review Form 1.6

	<p>the rise or fall of the detected electrical properties in relation to frequency, moisture content, and temperature.</p> <p>The references should also exactly follow the Guidelines. References must be listed at the end of the manuscript and numbered in the order that they appear in the text. Every reference referred in the text must also present in the reference list and vice versa. In the text, citations (Wang et al., 2003); "(Nelson, 1982)"; "(Nelson, 2008)"; "Nelson, 2003"; "Tang et al.,2002" are missing in the References. The abbreviations of journal titles have to be used in References. A lot of referred papers have DOI, these numbers are missing, what has to be filled.</p>	
Minor REVISION comments		
Optional/General comments		

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