



SDI Review Form 1.6

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_43535
Title of the Manuscript:	EVALUATION OF GENETIC DIVERSITY OF SEVEN SPECIES OF SOLANUM IN NIGERIA USING SDS-PAGE
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)
Compulsory REVISION comments	<p>11 (Abstract): why do you do this study? Where is the problem? Or why it is important to do this?</p> <p>145: There are no conclusion</p> <p>Ethical issue:</p> <p>Yes there are ethical issues in this manuscript because it allowed to establish relationship between species in solanaceous family that are still confused. It's allowed also to show that protein markers are always useful in the study of genetic diversity in spite of the development of new methods.</p>	<p>It is important because introduction of new cultivars through various hybridization process has been generating taxonomic issues as new cultivars are now being regarded a new species and names.</p> <p>Ethical Approval:</p> <p>No specific permits were required because the species studied did not involve endangered or protected species, also the location used for the field study is not privately-owned or protected.</p>
Minor REVISION comments	<p>20-21: meaning?</p> <p>23: but that these however (meaning)</p> <p>41-42: give more precision on collection location (climatic area, down, ...)</p> <p>45: (nurtured= kept) (Seeds of mature fruits were collected and ...)</p> <p>47 : Specimen seeds of the accessions were separately ground into flour. According to what protocol ?</p> <p>48-56: indicate the used protocol (name ...)</p> <p>63: In the accessions of <i>S. aethiopicum</i> = the results show that in <i>S. aethiopicum</i> accessions, ...</p> <p>64: hyphen between blossom and end for blossom-end point upward</p> <p>73: intensity of bands = density of bands</p> <p>78 : Two bands (2 and 7) - Not clear : what is the molecular weight of those bands ? 2=100 or 18,4kDa ? 7=20 or 70kDa ? it 's the same remarques for the rest !</p> <p>79-81 : Accessions of <i>S. aethiopicum</i> (2 and 3). Not clear : 2 and 3 are the number of accessions or bands ? it 's the same for the rest</p> <p>86 : in the number of ands patterns ???</p> <p>93-94 : not clear ! marker bands are invisible. also the direction of arrow must indicate the picture, but not the number</p> <p>114 : remove this table 2 because it isn't mentioned in data analysis or discussion</p> <p>116-117: fig 1: use the name of species of each accession, but not the number</p> <p>124: banding patterns are species specific = banding patterns are specific to species ...</p> <p>125-126: despite the variations in their fruit colour and stem colour and fruit orientation= despite the variations in their morphological traits such as fruit and stem colour and fruit orientation. Varietal new cultivars.</p> <p>129: Olatunji and Morakinyo [???]</p> <p>131-133 : RAPD analysis is the only way to establish relationship between species ? if not give the other ways</p> <p>134-137 : justify why your result is in contradiction with those of other studies</p>	<p>20-21: Introduction of new cultivars has been mainly through hybridization and breeding programme and the introduced species, especially those of economic importance are considered as new species rather than a cultivar</p> <p>23: morphological methods</p> <p>Specimens raised from seeds were not kept but nurtured</p> <p>The hyphen leads to description of blossom-end upright</p> <p>Intensity and density of bands are not the same, in this case author meant intensity not density.</p> <p>2 and 3 are the accession numbers and the key is presented below the plate</p>
Optional/General comments		