



SDI Review Form 1.6

Journal Name:	Asian Journal of Biology
Manuscript Number:	Ms_AJOB_34664
Title of the Manuscript:	Morphological and molecular evaluation of genetic diversity of wild Tunisian Oregano, <i>Origanum vulgare</i> L. subsp. <i>glandulosum</i> Desf. letswaart
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.

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(<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>Introduction: None</p> <p>Materials and Methods: Line112: Eppendum? Try to use another word.</p> <p>Line 115-116: The sentence "<i>When loading the solution into the wells of the gel, contamination between the wells must be avoided.</i>" can be deleted. Not necessary in an article</p> <p>"2.4.3. Statistical analysis of amplification profiles by RAPD" and "2.4.5. RAPD data analysis" can be combined. Some information is duplicated and actually described the same process.</p> <p>Materials and methods is normally not written in the first person. Rather write, "the samples were loaded" than "we load the samples".</p> <p>Materials and methods are normally written in the past tense.</p> <p>Results: Table 4 is four pages long. It there not another way to present the data and is it really necessary to have all the sequences in the manuscript since no variation was find according to line 164.</p> <p>Give an indication of the standard deviation of a descriptor within each population as well. It will gave an indication of the diversity within each population</p> <p>Format of table 9 is different than the rest of the tables</p> <p>Discussion:</p>	<p>In Materials and methods section, I have deleted the term "Eppendum" line 135 in section "2.4.1.Electrophoresis and visualization of bands".</p> <p>I have deleted the sentence "<i>When loading the solution into the wells of the gel, contamination between the wells must be avoided</i>" line 138- 139.</p> <p>I have combined "2.4.3. Statistical analysis of amplification profiles by RAPD" and "2.4.5. RAPD data analysis" in one section "2.4.4. RAPD data analysis".</p> <p>I have changed the section "Materials and methods" to be not written in the first person. Example: 1 µl of the DNA extracted were took (line 133 - 134).</p> <p>I have changed Table 4 and I have deleted some sequences in this table. I have changed the format of table 9.</p> <p>I have used only "<i>Origanum vulgare</i> L. subsp. <i>glandulosum</i>" in all the manuscript.</p>



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	<p>Most of the descriptors are influenced by environ and the high diversity can be expected. Morphological descriptors used must preferably stable over environments. However, it is not always available for all spesies.</p> <p>References:</p> <p>Inconsistency in the use of <i>Origanum vulgare</i> L. subsp. <i>glandulosum</i> and <i>Origanum glandulosum</i> Desf.</p> <p>Manuscript will benefit by language and grammar editing</p>	
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<p><u>Minor</u> REVISION comments</p>	<p>Introduction: None</p> <p>Materials and Methods: Why was these morphological descriptors used. Is it standard descriptors for the specie or did the authors choose these because it is general descriptors for plant species.</p> <p>Line 102-103: Sentences read difficult. Check the grammar please.</p> <p>There is a quite a lot of unnecessary detail in the materials and methods.Soma detail, e.g. the use of the SMART ladder is duplicated.</p> <p>Discussion: None</p> <p>References: None</p>	<p>I choose these morphological descriptors because they are general descriptors for <i>Origanum vulgare</i> L. subsp. <i>glandulosum</i>.</p> <p>I have checked the grammar of sentences line 127-128 in materials and methods section.</p> <p>I have deleted the sentence “The marker used is the SMART Ladder (Eurogentec).” line 157 in materials and methods section.</p>
<p><u>Optional/General</u> comments</p>	<p>Introduction: Concise but comprehensive. Easy to read.</p> <p>Materials and Methods: None</p> <p>Discussion: It will be beneficial if authors elaborate on the implication of the results on conservation of the specie as well, since it is a threatened specie according to them.</p> <p>References: None</p>	