



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_32097
Title of the Manuscript:	Study of genetic diversity among different tomato lines through Morphological and Biochemical analysis
Type of the 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	The head. Please add the scientific name of tomato. The new head can be "Study of genetic diversity among different tomato (<i>Lycopersicum esculentum</i> Mill.) lines through Morphological and Biochemical analysis Abstract, Methodology. Please delete "Please write main points of the research methodology applied" Abstract Results. Please delete "Kindly make sure to include relevant statistics here," Keyword. Please delete "<i>Solanaceae</i>" Please check all the paragraphs. Because the beginning of the paragraphs are not the same. From the head number 2.4 to 2.7 are must be the same head. 2.4 Biochemical Analysis (SDS-PAGE), 2.4.1. Plant Material, 2.4.2. Extraction of protein 2.5. Statistical Analysis I think that, the writing of the references are wrong. For example "in tomatoes [21](Luckwill, 1943)" It must be "in tomatoes [21]." Please check all the refernces in the text according to Author Guideline Discussion is very poor and references are not enough. Also some references are very very old. For example 1943, 1973 or 1985. If it possible please delete old refernces (at least before 2000).	Study of genetic diversity among different tomato (<i>Lycopersicum esculentum</i> Mill.) lines through Morphological and Biochemical analysis is written in head <i>Solanaceae</i> is deleted From the head number 2.4 to 2.7 has been added Lucwill 1943 has been deleted Paragraph has been added in results and discussion



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	Discussion is not enough. Please add the text below to discussion. “Genetic diversity is the richness of the hereditary information in the gene pool of one species. High level of inter-species genetic diversity is an assurance for adaptation to changing environmental conditions, an indication for adaptation potential of the species and an important part of the ecosystem stability. Also genetic diversity is a raw material for tree improvement studies. As such, most of the researches about the genetic diversity are in high priority in plants improvement programs [25-28]. Genetic diversity can be determined by morphological and physiological characters or molecular markers. Morphological and physiologic which is especially enough to get information after obtaining to reach the details of information of isoenzyme and DNA studies [29-32]. For this, there are very much studies about genetic diversity on the different plant species [33-34]. Please add the references below. 25. Sevik, H. (2012). Variation in seedling morphology of Turkish fir (<i>Abies nordmanniana</i> subsp. <i>bornmulleriana</i> Mattf), African Journal of Biotechnology, 11(23), 6389-6395 26. Sevik, H., Yahyaoglu, Z., Turna, I., 2012, Determination of Genetic Variation Between Populations of <i>Abies nordmanniana</i> subsp. <i>bornmulleriana</i> Mattf According to some Seed Characteristics, Genetic Diversity in Plants, ISBN 978-953-51-0185-7, Chapter 12, p:231-248, InTech, March, 2012 27. Şevik H., Çetin M., Kapucu Ö. 2016. Effect of Light on Young Structures of Turkish Fir (<i>Abies nordmanniana</i> subsp. <i>bornmulleriana</i>). Oxidation Communications, 39 (1-II), 485-492. 28. Sevik, H. (2010). Structure of genetic diversity in the populations of Turkish fir (<i>Abies nordmanniana</i> subsp. <i>bornmülleriana</i> Mattf.), Karadeniz Technical University, Graduate School of Natural and Applied Sciences (Doctoral dissertation, Doctorate Thesis). 29. Sevik H, Cetin M, Belkayali N. (2016). The Determination of Characteristics Factors of Grafted Natural Varieties in	Reference has been added in Reference chapter
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	Landscaping: A Case Study of Black Pine Clone. Oxidation Communications, 39 (3-II), 2820–2831 30. Yigit N., Sevik H., Cetin M., Gul L. 2016. Clonal Variation in Chemical Wood Characteristics in Hanönü (Kastamonu) Günlüburun Black Pine (<i>Pinus nigra</i> Arnold. subsp. <i>pallasiana</i> (Lamb.) Holmboe) Seed Orchard. Journal of Sustainable Forestry, 35(7), 515-526 31. Sevik H (2005). The differences among populations in Scotch pine (<i>Pinus sylvestris</i> L.) seed stands of Western Black Sea region M.Sc Thesis, Gazi University Inst. Sci. Technol. p. 60. 32. Sevik, H., Yahyaoglu, Z., Turna, I., (2011). Analysis of seed characteristics from 17 different populations in <i>Abies nordmanniana</i> subsp. <i>bornmülleriana</i> Mattf. Proceedings of the 10th International Christmas Tree Research & Extension Conference, 18-24 August 21–27, Vienna 33. Sevik, H., Topacoglu, O., (2015), Variation and Inheritance Pattern in Cone and Seed Characteristics of Scots pine (<i>Pinus sylvestris</i> L.) for Evaluation of Genetic Diversity, Journal of Environmental Biology, 36(5), 1125-1130 34. Yiğit, N., "Micromorphological Studies on Plants and Their Importance", "Developments in Science and Engineering". Editors: Recep Efe, Lia Matchavariani, Abdulkadir Yaldir, Laszlo Levai. ISBN 978-954-07-4137-6, Sofia, 2016.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		