

### Review Form 3

Journal Name:	<a href="#">Journal of Advances in Biology &amp; Biotechnology</a>
Manuscript Number:	Ms_JABB_128489
Title of the Manuscript:	Assessment of genetic diversity using EST derived SSR markers in Pomegranate ( <i>Punica granatum L.</i> ) germplasms
Type of the Article	Research

#### **General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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#### **Important Policies Regarding Peer Review**

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**PART 1: Comments**

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	Pomegranates have been shown to possess potent antioxidant properties, which play a crucial role in protecting cells from oxidative damage and reducing the risk of chronic diseases. The study utilized molecular markers to evaluate the genetic variability within different pomegranate cultivars. This widespread distribution suggests that these elements play a significant role in the evolution and diversification of genomes.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is suitable.	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	There are some grammatical errors in the sentences in the abstract, but overall it is fairly good	
Is the manuscript scientifically, correct? Please write here.	Yes, the manuscript is fairly adequate in terms of theoretical narrative, experimental demonstration, and interpretation of results	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Most of the references are not up-to-date, with almost one reference within the last 5 years. I suggest including some recent references such as : SSR-based DNA fingerprinting of fruit crops, Raffaele Testolin, Rachele Messina, Guido Cipriani, Gloria De Mori(2023),. <a href="https://doi.org/10.1002/csc2.20896">https://doi.org/10.1002/csc2.20896</a> Datasets for genetic diversity assessment in a collection of wild and cultivated pomegranates (Punica granatum L.) by microsatellite markers, A. Giancaspro, S.L. Giove and I. Marcotuli et al. /Data in Brief 49 (2023), <a href="https://doi.org/10.1016/j.dib.2023.109346">https://doi.org/10.1016/j.dib.2023.109346</a> Zhu, Y., Liang, D., Song, Z., Tan, Y., Guo, X., & Wang, D. (2022). Genetic diversity analysis and core germplasm collection construction of Camellia oleifera based on fruit phenotype and SSR data. Genes, 13(12), 2351. Mekbib, Y., Huang, SX., Ngarega, B.K. et al. The level of genetic diversity and differentiation of tropical lotus, Nelumbo nucifera Gaertn. (Nelumbonaceae) from Australia, India, and Thailand. Bot Stud 61, 15 (2020). <a href="https://doi.org/10.1186/s40529-020-00293-3">https://doi.org/10.1186/s40529-020-00293-3</a>	
Is the language/English quality of the article suitable for scholarly communications?	The language used in the writing is fairly good, although there are some grammatical errors as well as punctuation such as periods and commas.	
<u>Optional/General</u> comments		

**PART 2:**

	Reviewer's comment	Author's comment <i>(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)</i>
<u>Are there ethical issues in this manuscript?</u>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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