

Review Form 1.7

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_114954
Title of the Manuscript:	The Evolution of Marker-Assisted Selection in Animal Breeding
Type of the Article	Review

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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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. The manuscript provides an overview of the MAS method. However, the textual content is very limited. The focus is mainly on sheep and plant references and only on the MAS method on reproductive. For these reasons the article should be redesigned accordingly. 2. The title of the manuscript is too general. In the manuscript, the focus is on reproductive and the references are mainly from sheep breeds. The title should be revised according to this information given in the manuscript. It would be correct to have a title containing sheep-reproductive-MAS 3. The summary of the manuscript is sufficient. Keywords should include reproductive, livestock or animal breeding (sheep). SNPs and RFLP should be deleted from keywords. 4. Not appropriate. According to the title of the manuscript, there is no need to give detailed information to sections 3, 4 and 5. If information is to be given, it should be summarized in 1 or 2 very short paragraphs. These sections should be summarized by combining them. 5. The manuscript is very broad in title but more specific in content, focusing on one species and one topic. Very general information is given. It should be corrected. 6. In the references, while very old dated sources are included in many subjects, the original sources related to MAS are not mentioned. In addition, information is mainly given from sheep species and plants. While there are many studies in other animal species, they are almost not mentioned. Especially the references given from Türkiye belong only to sheep and a certain group of authors, studies on other species should be included. In particular, it is recommended to use the following references. Özşensoy and Kurar. <i>Journal of Cell and Molecular Biology</i> 10(2):11-19, 2012 Özşensoy and Kurar. <i>Erciyes Üniversitesi Veteriner Fakültesi Dergisi</i>, 10(1), 53-62, 2013 Ma et al. <i>J Hered</i> 996; 87(4): 261-71. Soller M. Mapping quantitative trait loci affecting traits of economic importance in animal populations using molecular markers. Schook LB, Lewin HA, McLaren DG. eds. In: <i>Gene-Mapping Techniques and Applications</i>. New York: Marcel Dekker, Inc, 1991; pp. 21-9. Weller JI, Fernando RL. Strategies for the improvement of animal production using Marker-Assisted Selection. Schook LB, Lewin HA, McLaren DG. eds. In: <i>Gene-Mapping Techniques and Applications</i>. New York: Illinois, Marcel Dekker, Inc. 1991; pp. 305-27 <p>* The word MAS should always be written short after being written open once in the first place. There is no need to write it open again and again.</p> <p>* References and author names should be corrected throughout the text.</p> <p>* It should be Williams 2005, not JI 2005</p> <p>* Some articles in the text are not in the reference list (Arora et al., 2011; Gunduz et al., 2016).</p> <p>* Some article in the reference list are not in the text (Reference no: 43; 48; 49; 50; 72; 82; 83; 84;</p>	

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	85; 87; 97; 108; 115). * Smith et al 1996a was written to Why a. No other article by the same author and year. * not Wakachure et 2015, is written Wakchaure et al 2015. * References section must be written to the journal rules * The same article is written twice in the reference list (36 and 37; 102 and 103; 128 and 129). It should be corrected by deletion. * Reference 135 lists two articles. In addition, these two articles are identical to those in references 137 and 138.	
Minor REVISION comments		
1. Is language/English quality of the article suitable for scholarly communications?	suitable	
Optional/General comments	The text and the list of references of the manuscript must be corrected according to the journal rules. The deficiencies mentioned above must be completed. I would definitely like to see the manuscript again after the correction	

PART 2:

	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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

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