

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Original Manuscript_IJECC_117944
Title of the Manuscript:	TRANSCRIPTOMICS -ROLE IN CROP IMPROVEMENT
Type of the Article	Review Article

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> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. Yes, the manuscript is likely to be important for the scientific community, particularly for researchers and professionals involved in plant breeding, genomics, and agricultural sciences. Because The manuscript addresses current challenges in agriculture and proposes a novel approach that combines transcriptomics and genomics to improve crop breeding efficiency and address future food demands.</p> <p>2. Yes, the title "Transcriptomics - Role in Crop Improvement" is suitable for the content described in the abstract and introduction. It accurately reflects the main focus of the article, which is on the role of transcriptomics in improving crops.</p> <p>3. Yes, the abstract mentions the potential benefits of transcriptome studies in linking phenotypes with genotypes of observed traits and facilitating the selection of superior genotypes for crop improvement.</p> <p>4. Based on the provided information, it appears that the manuscript follows a logical structure with appropriate subsections. the subsections cover relevant aspects of transcriptomics and its role in crop improvement. However, without the full manuscript, it is not possible to provide a comprehensive assessment of the structure and content within each subsection.</p> <p>5. Yes, I think the manuscript appears to be scientifically correct. Because it discusses the challenges faced in traditional breeding methods and the potential of marker-assisted breeding techniques to meet the demands of global food security.</p> <p>6. Yes, the references are sufficient and recent</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes, the language and English quality of the article appear to be suitable for scholarly communications. The text is coherent and effectively conveys the main ideas related to the role of transcriptomics in crop improvement. The abstract and introduction sections provide a clear overview of the topic and present relevant information about traditional breeding methods, marker-assisted breeding, and the challenges faced in conventional plant breeding.</p>	
<p>Optional/General comments</p>	<p>Overall, the manuscript titled "Transcriptomics - Role in Crop Improvement" provides an introduction to the use of transcriptomics in plant breeding for crop improvement. the manuscript provides a good introduction to the topic of transcriptomics in crop improvement. Expanding on specific examples and including a thorough list of references would enhance the manuscript's comprehensiveness and strengthen its arguments.</p>	

[Review Form 1.7](#)

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

Reviewer Details:

Name:	Mohamed Hassan Mohamed
Department, University & Country	Egerton University, Somalia