

Review Form 1.7

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_102381
Title of the Manuscript:	A Review of Non-Coding RNAs Associated with Drought Stress Response in Cassava (<i>Manihot esculenta</i> Crantz)
Type of the Article	Review 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:

(<https://journaljabb.com/index.php/JABB/editorial-policy>)

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>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>1. After accumulating data on Whole Genome Sequencing (WGS) and attempts to link SNP (Single Nucleotide Polymorphisms) to variability of phenotypic characteristics (GWAS - Genome-Wide Association Studies), it was found that the variability of such traits depends more on the polymorphisms of non-coding sequences than on the sequences of genes encoding proteins. Widespread such networks include the non-coding Rnas as lncRNA, miRNA. In this regard, a review of data on the variability of expression of regulatory network elements on the example of the cassava transcriptome response to drought stress is obviously relevant.</p> <p>2. Yes</p> <p>3. Yes</p> <p>4. Yes</p> <p>5. Yes</p> <p>6. Yes, very useful review on a modern key topic</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	Yes	
<p>Optional/General comments</p>	<p>Using the example of the cassava transcriptome response to the stressful factors of drought, the authors performed important work; they first attempted to classify different addresses of the element actions of regulatory networks: within the network - between different lncRNAs between networks - between lncRNAs and miRNAs, and described a variety of targets of different elements of regulatory networks, such as transcription regulatory factors, key genes of number of metabolic pathways. The approach itself is important in this work - not a description of particular cases, but an attempt to classify them.</p>	

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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:	Valeriy I. Glazko
Department, University & Country	Russia