



SDI Review Form 1.6

Journal Name:	Asian Plant Research Journal
Manuscript Number:	Ms_APRJ_44632
Title of the Manuscript:	THE EFFICACY OF TURMERIC RHIZOME (Curcuma longa) and MORINGA LEAVES (Moringa oleifera) AQUEOUS EXTRACT IN SEED TREATMENT AGAINST FUNGI ASSOCIATED WITH MAIZE SEEDS
Type of the Article	Original Research 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>)



SDI Review Form 1.6

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	Your title should read “Efficacy of Tumeric Rhizome (<i>Curcoma longa</i>) and <i>Moringa</i> leaf extract in treatment against fungi associated with maize seeds. - The abstract should be one paragraph only and single line spacing. Remove subheadings in the abstract. For identification of fungi isolates, you should state clearly the criteria used to determine both physical and microscopic identification of the fungi. You said identification was done using an atlas. Please, you must state clearly the name of the atlas and its authors. Consult the paper titled isolation, identification and pathogenicity of fungal organisms causing postharvest decay of tomato fruits during storage by Liamngee <i>et al.</i>, 2018. For proper reporting of this whole section. You need to explain in detail how you got your extract concentrations of 25ml, 50ml and 75ml. You are supposed to report your extract concentrations in grams per ml. Please consult the paper titled in vitro potential of aqueous extracts of plant leaves to inhibit pathogenic fungi by Liamngee and Zakki 2018 for proper reporting of this section. You should explain in detail how your seeds were treated with the extracts in your materials and methods; by dipping, spraying, etc. - Your materials and methods should follow this order; Study area Collection of samples Determination of fungi presence on collected maize seeds Identification of fungi isolates Preparation of plant extracts Determination of extract concentrations Seed treatment using Tumeric rhizome and <i>Moringa</i> leaf extract Antifungal efficacy of Tumeric and <i>Moringa</i> extract Experimental design. - Your experimental design is not coherent. Your experiment is a factorial experiment laid out in completely randomized design. Please, bring out the factors in the experiment, treatment combinations and total number of plots. Consult the journal recommended in Number (5) above for this section. - How did you arrive at table 1 in your results? You need to state the formula to determine percentage distribution in your materials and methods. - You need to subject table 1 to chi square analysis or T- test analysis to determine if there is any significant difference in the percentage distribution of fungi species. - You have placed plates/pictures of the fungi you isolated. This is not enough. You must place the microscopic view of each plate by its side to confirm the fungi you are identifying. We must see the microscopic view. - Your plates/pictures are hanging. They are not placed in tables, no titles. Please,	Corrected Adjusted The isolated with match with standard under a supervision of an expert A stock was obtained after sieving out the plant residue, than the stock was further diluted using sterile distilled water to obtain various concentrations It was done by simple dipping for an hour Noted and Corrected Ok A simple formula was used which is Number of isolate / Number of total isolates X 100. T-test applied Supplied Adjusted Ok Best suited T-test applied



SDI Review Form 1.6

	place your plates in table 2. Consult isolation, identification and pathogenicity of fungal organisms causing postharvest decay of tomato fruits during storage for proper reporting of this section. 13. How did you come by the result in table 3? There is a formula to determine percentage occurrence of fungi species. Please state it clearly in your materials and methods. 14. Subject table 2 to chi square or T-test analysis to determine if there is a significant difference in the percentage occurrence of fungal species. 15. In your explanation of the antifungal efficacy of the extracts on the fungi, You said data was collected. What data was collected? What were the parameters used to judge the antifungal efficacy or what formula was used? Please, state that clearly in that section. 16. The word <i>Moringa</i> should be italicized throughout the manuscript because it is a binomial name.	Infected seeds after treatment counted manually were the parameter considered Ok
<u>Minor</u> REVISION comments	There are many grammatical errors in the manuscript, particularly in the introduction and discussion sections. Please, I recommend a detailed and Compulsory in-house Screening to rid this good manuscript of grammatical errors. Thank you.	Thank you sir
<u>Optional/General</u> comments	Good work by authors	

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?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	