



SDI Review Form 1.6

Journal Name:	European Journal of Nutrition & Food Safety
Manuscript Number:	Ms_EJNFS_42468
Title of the Manuscript:	Moringa olifera: Nutrient dense food source and world's most useful plant to ensure nutritional security, good health and eradication of malnutrition
Type of the Article	Review Paper

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/journal/30/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)
Compulsory REVISION comments	<p>Does the nutritional value of Moringa fresh leaf vary across different geographic areas?</p> <p>Where would be the best?</p>	<p>Thanks for reviewing the paper and giving valuable suggestions.</p> <p>Moringa plant naturally occurs in varying habitats, is naïve to expect a great magnitude of variation in the concentration of chemical ingredients in different part of the tree. But some studies indicated that Moringa tree grown at different geographical locations differs in nutrient composition. A comparative study by Asante et al. 2014 indicates that leaves of Moringa tree grown in Savannah were less nutritious than leaves from semi-deciduous region. Difference between the nutritional compositions of leaves from different locations could be due to the influence of soil characteristics, climate and environmental factors. But further studies required examining this phenomenon.</p> <p>Nutritional value of Moringa leaves from dry tropical region are good but more detailed comparative study is needed to establish this. These details are incorporated in the revised manuscript.</p>
Minor REVISION comments	<p>What are the major phytochemical differences between Moringa seeds and Moringa leaves, regarding the medicinal properties?</p>	<p>Moringa leaves contain isothiocyanates that attenuate in vivo inflammation. Due to presence of nitrile, mustered oil glycosides and thiocarbamate glycoside in moringa leaves found to be responsible for blood pressure lowering. Moringa seed also have several medicinal properties. The seeds of Moringa are considered to be antipyretic, acrid, and reported to show antimicrobial activity. Total phenol and flavonoid contents are significantly higher in the leaf than the seed extract. While alkaloids are present in seed but not in leaves. Also added in revised Manuscript</p>
Optional/General comments		