



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_29682
Title of the Manuscript:	EFFECTS OF FEEDING LACTATING DAIRY COWS WITH MARULA [Sclerocarya birrea (L.)] SEED CAKE AS A PROTEIN SUPPLEMENT ON MILK YIELD AND COMPOSITION
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 <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>
<u>Compulsory</u> REVISION comments	Keywords: Agro industrial by product, animal production, Marula seed cake, sustainable animal production 2.2.4 Sampling. Name the author of the methodology Which follows. 3.2 Dry matter intake (DMI) of the experimental diets The dry matter intake in this study was very low. I think because of low NDF, average 18%. Lower than recommended by the NRC, 25% minimum. Should note further discussion of the effects of fibre digestion. 3.3 Milk yield To our understanding, the production of daily milk was very high, associated with dry matter intake very low and even without weight loss of animals. You should review these data. Emphasize the need to inform the cost of a kilogram of dry matter of Marula seed cake. 3.4.1 Milk fat At low NDF content in the diet, it was expected drop in fat content in milk, which was not observed. I recommend reviewing the composition data of diet and dry matter intake	We chose a few keywords from the pool suggested by the reviewers, thank you. Reference included This has been explained in the text, Refer to lines 81-82; 165-170. This also applies to the comments below. The data is correct , see explanation in the text lines 81-82; 165-170 This has been addressed Explanation is on lines 81-82; 165-170, the experimental animals were grazing on rye grass, and supplemented with the dairy meal. MSM was not fed as component of TMR.
<u>Minor</u> REVISION comments	INTRODUCTION Despite that by deduction you can set the MSC acronym (Marula seed cake). The right is the end of the first term, represent the appropriate acronym. Improving the understanding to readers.	MSC is the feed ingredient, MSM is a formulated diet containing MSC as a protein source. This is explained in the text.

	You must reference the economic aspect in this regard, I suggest the author, data on the availability of the material in the region, already processed into the Marula seed cake, and its commercial value in tonnes. 2.2.1 Experimental diets Table 1 - Experimental diets. Check the data of variables Organic matter (%) and Ash (%). 5. RECOMMENDATION On the recommendation I suggest study with longer treatment to evaluate the inclusion levels in the diet, without harm to health of animals and reduction in production and reproduction.	This has been addressed This has been addressed This has been addressed
<u>Optional/General</u> comments	The manuscript was well written, complied with the objective of the project, updated reviews. However, some data generate doubts, to the behaviour of animals, intake and production	Thank you. I hope the doubts will be settled out.