

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_131492
Title of the Manuscript:	Evaluation of in vitro Antioxidant Potential of Terminalia arjuna (Roxb. ex DC.) Wight & Arn. Bark Extract
Type of the Article	Original Research Article

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PART 1: Comments

	Reviewer's comment Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	The idea of application of using natural antioxidant rich compound as a feed ingredient or in medicated feed for livestock is good. The Terminalia arjuna bark is very well known medicinal tree in indian medicinal system.	
Is the title of the article suitable? (If not please suggest an alternative title)	As author is targeting application as feed ingredient for livestock, thus the title should be modified accordingly. It should be "Evaluation of <i>in-vitro</i> Antioxidant Potential of <i>Terminalia arjuna</i> (Roxb. ex DC.) Wight & Arn. Bark Extract as livestock feed ingredient"	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Author should write objective (as T. arjuna bark as feed ingredient has been unexplored) and also emphasized on the results as well as give some recommendation of doses of bark.	
Is the manuscript scientifically, correct? Please write here.	As it is well know that T. arjuna bark is rich in tannin and other phytoconstituents which contributes to the antioxidant potential of the bark. The author has not given any new information. Author gave only qualitative data of phytoconstituents and no quantitative data of total phenol, total flavonoid, total tannin, total triterpenoids etc. which may be correlated with the antioxidant and reducing power. Author did not give any data on the doses of T. bark as feed ingredient which is the main objective of the paper. Why did author not attempted other test for antioxidants such as DPPH, ABTS which may give more strength to the manuscript? The Author gave very casual discussion which is not sufficient for the manuscript in present form. Has author found any data of T. bark application as feed ingridient which should also be given during discussion? Author should give standard curve scavenging activity and reducing power activity of standard ascorbic acid.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Author should include recent literature reference as per the objective of the paper.	
Is the language/English quality of the article suitable for scholarly communications?	Good.	
Optional/General comments		

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

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